



CITY OF DELRAY BEACH  
100 NW 1<sup>st</sup> AVENUE, DELRAY BEACH, FL 33444

AGREEMENT FOR PROFESSIONAL SERVICES  
RFQ 2017-048 (918-42, 918-89, 906-56)

MARLIN ENGINEERING, INC.

**AGREEMENT  
FOR  
PROFESSIONAL SERVICES (CCNA)**

**AGREEMENT NO. RFQ 2017-048 (918-42, 918-89, 906-56)**

THIS AGREEMENT is made and entered into this 31<sup>st</sup> day of August, 2017 (the "effective date"), by and between the **City of Delray Beach**, a Florida municipal corporation (hereinafter referred to as "City"), whose address is 100 NW 1<sup>st</sup> Avenue, Delray Beach, Florida, 33444, and **Marlin Engineering, Inc.** a Florida corporation (hereinafter referred to as "Consultant"), whose principal address is 1804 N. Dixie Highway, West Palm Beach, Florida 33407.

WHEREAS, the City desires to retain the services of the Consultant to provide certain Professional Services in accordance with the City's Request for Qualifications RFQ 2017-048, Continuing Engineering, Surveying, and Landscaping Architectural Consulting Services (918-42, 918-89, 906-56), and the Consultant's response thereto, which are attached hereto and incorporated herein as Exhibit "A".

NOW, THEREFORE, in consideration of the mutual covenants and promises hereafter set forth, the Consultant and the City agree as follows:

**ARTICLE 1. INCORPORATION OF REQUEST FOR QUALIFICATIONS**

The terms and conditions of this Agreement shall include and incorporate the terms, conditions, and scope of services set forth in the City's Request for Qualifications, RFQ 2017-048, and the Consultant's response to the Request for Qualifications, including all addenda and documentation required thereunder.

**ARTICLE 2. SCOPE OF SERVICES**

The Consultant shall provide Professional Services to the City, under the following categories of work as defined in the Request for Qualifications:

- a. Category(s)
  - i. Engineering Services
  - ii. Surveying/Mapping Services
  - iii. Landscape Architectural Services

The Consultant shall provide the services on an as-needed and project-by-project basis, based on work requests from City departments through the issuance of Service Authorizations.

### ARTICLE 3. COMPENSATION

The City shall pay the Consultant for performing the Services based on the Prices and Rates shown in Exhibit "B", which is attached hereto and incorporated herein.

### ARTICLE 4. TERM

The term of this Agreement shall be from the effective date until August 30, 2022, unless terminated beforehand as provided for in Article 5. Nothing contained in the Request for Qualifications or this Agreement shall be construed by the Consultant as a guarantee of work from the City. The City reserves the right to extend the Agreement for one, two-year term, providing all terms conditions and specifications remain the same, both parties agree to the extension, and such extension is approved by the City.

At the City's request, the Consultant shall continue services beyond the final expiration date. This extension period shall not extend for more than one year beyond the final expiration date of the Agreement. The Consultant shall be compensated at the rate in effect when this extension period is invoked by the City.

### ARTICLE 5. TERMINATION

a. This Agreement may be terminated by the City, with or without cause, upon providing written notice to the Consultant. This Agreement may be terminated by the Consultant upon thirty (30) days' prior written notice to the City. Upon any such termination, the Consultant waives any claims for damages from such termination, including, but not limited to, loss of anticipated profits. Unless the Consultant is in breach of this Agreement, the City shall pay the Consultant for services rendered through the date of termination in accordance with the terms of this Agreement.

b. The continuation of this Agreement beyond the end of any fiscal year shall be subject to both the appropriation and the availability of funds in accordance with Florida law.

### ARTICLE 6. LAW, JURISDICTION, VENUE, WAIVER OF JURY TRIAL

This Agreement shall be interpreted and construed in accordance with and governed by the laws of the state of Florida. All Parties agree and accept that jurisdiction of any controversies or legal problems arising out of this Agreement, and any action involving the enforcement or interpretation of any rights hereunder, shall be exclusively in the state courts of the Fifteenth Judicial Circuit in Palm Beach County, Florida, and venue for litigation arising out of this Agreement shall be exclusively in such state courts, forsaking any other jurisdiction which either party may claim by virtue of its

residency or other jurisdictional device. **BY ENTERING INTO THIS AGREEMENT, SECOND PARTY AND CITY HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT. IF A PARTY FAILS TO WITHDRAW A REQUEST FOR A JURY TRIAL IN A LAWSUIT ARISING OUT OF THIS AGREEMENT AFTER WRITTEN NOTICE BY THE OTHER PARTY OF VIOLATION OF THIS SECTION, THE PARTY MAKING THE REQUEST FOR JURY TRIAL SHALL BE LIABLE FOR THE REASONABLE ATTORNEYS' FEES AND COSTS OF THE OTHER PARTY IN CONTESTING THE REQUEST FOR JURY TRIAL, AND SUCH AMOUNTS SHALL BE AWARDED BY THE COURT IN ADJUDICATING THE MOTION.**

#### ARTICLE 7. ATTORNEY'S FEES

Any costs or expense (including reasonable attorney's fees) associated with the enforcement of the terms and for conditions of this Agreement shall be borne by the respective Parties, however, this clause pertains only to the Parties to this Agreement.

#### ARTICLE 8. MISCELLANEOUS PROVISIONS

a. Notice Format. All notices or other written communications required, contemplated, or permitted under this Agreement shall be in writing and shall be sent by certified United States Mail, postage prepaid, return receipt requested, or sent by commercial express carrier with acknowledgement of delivery, or by hand delivery with a request for a written receipt of acknowledgment of delivery, addressed to the party for whom it is intended at the place last specified. The place for giving notice shall remain the same as set forth herein until changed in writing in the manner provided in this section. For the present, the Parties designate the following:

As to the City:

**City of Delray Beach**  
100 NW 1<sup>st</sup> Avenue  
Delray Beach, FL 33444  
Attn: City Manager

With a copy to:

**City of Delray Beach**  
200 NW 1<sup>st</sup> Avenue  
Delray Beach, Florida 33444  
Attn: City Attorney



As to the Consultant:

**Marlin Engineering, Inc.**  
1804 N. Dixie Highway  
West Palm Beach, Florida 33407  
Attn: Jose Quintana, Executive Vice President,  
Operations

b. Headings. The headings contained in this Agreement are for convenience of reference only and shall not limit or otherwise affect in any way the meaning or interpretation of this Agreement.

c. The documents listed below are a part of this Agreement and are hereby incorporated by reference. In the event of inconsistency between the documents, unless otherwise provided herein, the terms of the following documents will govern in the following order of precedence:

- i. Terms and conditions as contained in this Agreement.
- ii. Terms and conditions of RFQ 2017-048.
- iii. Consultant's response to RFQ 2017-048 and any subsequent information submitted by Consultant during the evaluation and negotiation process.

(The remainder of this page intentionally left blank)

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date hereinabove first written.

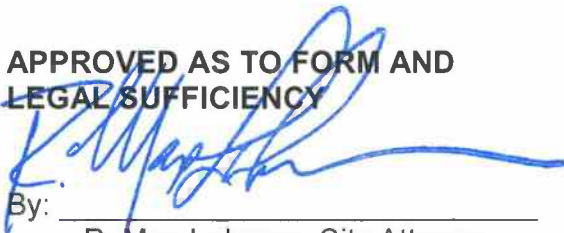
**CITY OF DELRAY BEACH, FLORIDA**

By:   
Cary D. Glickstein, Mayor

**ATTEST:**

By:   
Katerri Johnson, City Clerk

**APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY**

By:   
R. Max Lohman, City Attorney

**CONSULTANT**

By: [Signature]

Title: President

**WITNESSES:**

By: [Signature]

Print Name: Erica Sobelman

By: [Signature]

Print Name: Silvia Ferro



Erica Sobelman  
COMMISSION #FF239559  
EXPIRES: June 10, 2019  
WWW.AARONNOTARY.COM

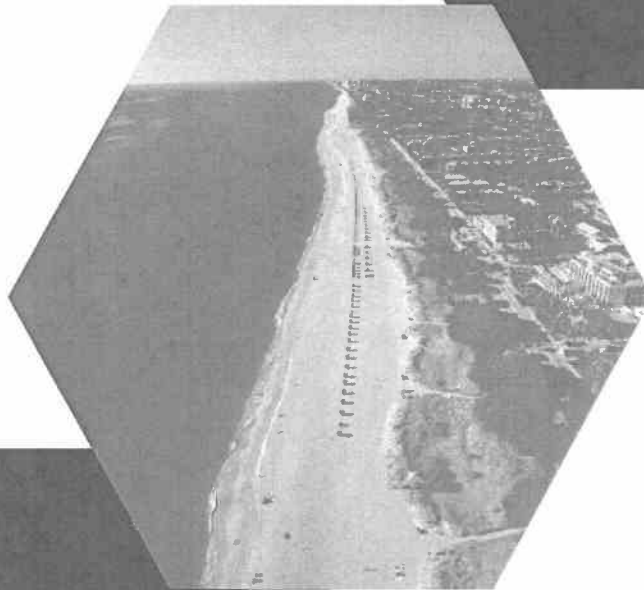
CONTINUING ENGINEERING, SURVEYING,  
AND LANDSCAPING ARCHITECTURAL  
CONSULTING SERVICES

EXHIBIT A

**MARLIN**

RFQ No. 2017-048

MAY 22, 2017



PREPARED FOR:  
CITY OF DELRAY BEACH

PREPARED BY:  
MARLIN ENGINEERING, INC.  
1804 N. DIXIE HIGHWAY  
WEST PALM BEACH, FL 33407  
P: 561.214.3807  
[WWW.MARLINENGINEERING.COM](http://WWW.MARLINENGINEERING.COM)

# CONTENT

## CHAPTERS

01

LETTER OF INTENT - PG 3  
PROPOSAL SUBMITTAL SIGNATURE PAGE - PG 6

02

PROPOSER'S STATEMENT OF ORGANIZATION - PG 9  
W-9 - PG 12

03

MINIMUM QUALIFICATIONS DOCUMENTATIONS - PG 13

04

PROPOSAL RESPONSE REQUIREMENTS INFORMATION  
A. EXPERIENCE, BACKGROUND, REFERENCE FEEDBACK - PG 15  
B. APPROACH TO PROJECT MANAGEMENT - PG 71  
C. PROJECTS FOR SIMILAR SERVICE - PG 75  
D. ORGANIZATIONAL STRUCTURE - PG 79

05

PUBLIC ENTITY FORM - PG 80  
DRUG FREE WORKPLACE FORM - PG 81  
CONFLICT OF INTEREST FORM - PG 82  
ACKNOWLEDGEMENT OF ADDENDA FORM - PG 83

06

EVIDENCE OF INSURANCE - PG 84

# CHAPTER

LETTER OF INTENT

PROPOSAL SUBMITTAL SIGNATURE PAGE

01

# LETTER OF INTENT

May 22, 2017

City Hall  
City of Delray Beach  
100 N.W. 1<sup>st</sup> Avenue  
Delray Beach, FL 33444

**RE: Continuing Engineering, Surveying, and Landscaping Architectural Consulting Services,  
RFQ No 2017-0408**

Dear Selection Committee:

**MARLIN ENGINEERING, INC.** is pleased to submit our qualifications to provide **Continuing Engineering, Surveying, and Landscaping Architectural Consulting Services** to the City of Delray Beach.

MARLIN is a local, multidisciplinary planning and engineering firm with more than 25 years of experience. Our team of Professional Engineers, Surveyors, Environmental Scientists, Planners, and Certified Bridge Inspectors have the capabilities and experience necessary to perform all of the services listed in the scope of work for Civil, Transportation, Environmental, Structural Engineering, and Surveying & Mapping.

Our team is committed to exceeding your expectations, and we look forward to supporting you in continuing to plan, build, maintain and operate a strong, safe community for the future. Our team is qualified to provide the following in-house services:

- **Engineering Studies & Design**
- **Surveying & Mapping**
- **Civil Engineering**
- **Structural Engineering**
- **Transportation Planning**
- **Environmental**
- **Inspection Services**
- **Project Management**

MARLIN has served local governments throughout Florida from its offices in Miami, Fort Lauderdale, West Palm Beach, Tallahassee and Puerto Rico. We have created partnerships and fostered long-lasting relationships with cities, counties, and state agencies by providing professional assistance, personalized customer service, high quality products, and innovative solutions. Our years of experience serving municipalities have given us a clear understanding of their needs and challenges. Furthermore, our experience working in Palm Beach County has given us the opportunity to have first-hand knowledge of the City's expectations, vision, and goals.

MARLIN is not involved with any other work within the City of Delray Beach, so there are *no conflicts of interest*. Furthermore, as a standard practice, MARLIN does not provide services to private developers in municipalities we represent, so the City can be comfortable that MARLIN can be relied upon and always has their best interest in mind.





# MARLIN

The MARLIN team offers superior services including:

- More than 25 years of experience;
- Extensive experience on similar types of contracts;
- High-quality, rapid responses;
- Knowledge of the City's permitting protocols and procedures;
- State-of-the-art equipment and technology, including specialized traffic data video collection units, Bluetooth devices, and underwater inspection equipment
- Qualified and experienced team members that will implement the best practices.

We have completed similar contracts successfully under strict schedule constraints with the highest degree of quality. As a team, we can also communicate and build project consensus with the community and between all public and governmental agencies involved. Our diverse and broad support of personnel will ensure that every need is met as efficiently as possible. We will work closely with the City to ensure the optimum execution of every assignment under this contract.

MARLIN is available and committed to providing high-quality, rapid responses to all work assignments under this contract and we earnestly desire to assist you. We look forward to an opportunity to further demonstrate our capabilities on this project and we ask that you consider us and give MARLIN an opportunity to serve you. We look forward to serving the City of Delray Beach.

Sincerely,  
MARLIN ENGINEERING, INC.



Jose A. Quintana, PE, CBI  
Executive Vice President, Operations

# PROPOSAL SUBMITTAL SIGNATURE PAGE

### Form A - Proposal Submittal Signature Page

By signing this Proposal, the Proposer certifies that it satisfies all legal requirements as an entity to do business with the City, including all Conflict of Interest and Code of Ethics provisions.

Firm Name: MARLIN Engineering, Inc.

Street Address: 1804 N. Dixie Highway, West Palm Beach, FL, 33407

Mailing Address (if different from Street Address):

Telephone Number(s): 561.214.3807

Fax Number(s):

Email Address: jquintana@marlinengineering.com

Federal Identification Number: 65-0279601

Acknowledged by:

MARLIN Engineering, Inc.

Firm Name



Signature

May 15, 2017

Date

Jose Quintana, PE, CBI, Executive VP, Operations

Printed Name and Title

By signing this document, the Proposer agrees to all terms and conditions of this RFQ which includes the Sample Agreement.

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED ABOVE BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE PROPOSER TO THE TERMS OF ITS PROPOSAL.

(Remainder of page intentionally left blank)

### Form A - Signature Authority

Indicate below Proposer's type of organization and provide the required documentation as applicable to demonstrate that the executor of Proposer's Proposal is duly authorized to execute on behalf of, and as the official act of, Proposer.

Select	Type of Organization	Officer Who Signed Proposal Submittal Signature Page	Required Authorizing Documentation
<input checked="" type="checkbox"/>	Corporation	President, Vice President, or Chief Executive Officer	None
<input type="checkbox"/>	Corporation	Director, Manager, or other title	Corporate resolution
<input type="checkbox"/>	Limited Liability Company (LLC) – Member-Managed	Member	Articles of Organization or Operating Agreement
<input type="checkbox"/>	Limited Liability Company (LLC) – Manager-Managed	Manager	Articles of Organization or Operating Agreement
<input type="checkbox"/>	Limited Partnership	General Partner	Document demonstrating the legal authority to bind the Limited Partnership
<input type="checkbox"/>	Partnership	Partner	None
		CEO, Director, Manager or other title	Authorizing documentation
<input type="checkbox"/>	Individual	Individual	None

☒ Documentation is not required.

☐ The required authorizing documentation is included with Proposal.

# CHAPTER

PROPOSER'S STATEMENT OF ORGANIZATION  
W-9

02

# PROPOSER'S STATEMENT OF ORGANIZATION

## PROPOSER STATEMENT ORGANIZATION

Provide Information on Proposer as follow:

- A. Legal contracting name including dba  
MARLIN Engineering, Inc.
- B. State of Organization or Incorporation  
Florida
- C. Ownership structure of Proposer's company. (e.g., Sole Proprietorship, Partnership, Limited Liability Corporation)  
Corporation
- D. Provide a completed W-9, with Full legal name of Proposer, Employer Identification Number, and company address. W-9 must be signed by an authorized official and dated  
Please see PG 12
- E. Contact Information for Proposer's Corporate headquarters  
Address: 1700 NW 66 Avenue, Suite 106  
City, State, Zip: Fort Lauderdale, FL 33313  
Phone: 954.870.5070
- F. Contact Information for Proposer's Local office (if any)  
Address: 1804 N. Dixie Highway  
City, State, Zip: West Palm Beach, FL 33407  
Phone: 561.214.3807
- G. Contact Information for Proposer's primary representative during this RFQ process  
Name: Jose Santiago, PE  
Phone: 954.870.5054  
Email: jsantiago@marlinengineering.com  
Mailing Address: 1700 NW 66 Avenue, Suite 106  
City, State, Zip: Fort Lauderdale, FL 33313

H. Contact Information for Proposer's secondary representative during this RFQ process

Name: Jose Quintana, PE

Phone: 954.870.5070

Email: jquintana@marlinengineering.com

Mailing Address: 1700 NW 66 Avenue, Suite 106

City, State, Zip: Fort Lauderdale, FL 33313

I. List of officers, owners and/or partners, or managers of the firm. Include names, business addresses, and phone numbers

Ramon Soria, PE, President

1700 NW 66 Avenue, Suite 106

Fort Lauderdale, FL33313

954 870.5070

Jose Quintana, PE, CBI, Executive VP, Operations

1700 NW 66 Avenue, Suite 106

Fort Lauderdale, FL33313

954 870.5070

J. Briefly summarize any current or pending litigation in which Proposer is a part to

MARLIN Engineering, Inc. does not have any current or pending litigation

K. Provide details of any ownership changes to Proposer's organization in the past two years or changes anticipated within six months of the Due Date and Time (e.g., mergers, acquisitions, changes in executive leadership)

None



W - 9

## Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Marlin Engineering, Inc.</b>	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only <b>one</b> of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ <b>Note.</b> For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
	5 Address (number, street, and apt. or suite no.) <b>1700 NW 66th Avenue, Suite 106</b>	Requester's name and address (optional)
	6 City, state, and ZIP code <b>Plantation, FL 33313</b>	
	7 List account number(s) here (optional)	

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-					
or								
Employer identification number								
6	5	-	0	2	7	9	6	0 1

### Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶ 	Date ▶ <b>5/8/17</b>
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### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.*

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

# CHAPTER

MINIMUM QUALIFICATIONS DOCUMENTATIONS

03

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Engineers and Surveyors  
3000 Apalachee Parkway Tallahassee, Florida 32309-0400

License No: E-17241  
Expiration Date: January 28, 2019

Professional Surveyor and Mapper Business License  
Under the provisions of Chapter 471, Florida Statutes

MARLIN ENGINEERING INC.  
7700 N.W. 15TH AVENUE, SUITE 100  
MIAMI, FL 33142

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Marlin Engineering Inc.

Is authorized under the provisions of Article VII, Section 13, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Jose Luis Santiago, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Roxana Patricia Matamoros, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Miguel Soria, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Raul Dominguez, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Rafael Alonso Lagos, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Barbara Ann King-Russell, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

State of Florida  
Board of Professional Engineers  
Attest that  
Julie Ann Vers, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019  
Audit No: 228201906371 R

Licensee Details  
Licensee Information  
Name: QUINTANA, JOSE ANTONIO (Primary Name)  
Main Address: 325 SOUTH BISCAYNE BLVD APT. NO. 4019 MIAMI Florida 33131  
County: DADE  
License Mailing:  
License Location:

License Information  
License Type: Professional Engineer  
Rank: Prof Engineer  
License Number: 47072  
Status: Current/Active  
License Date: 08/23/1992  
Expires: 02/28/2019  
Special Qualifications: Qualification Effective

Alternate Names

View Related License Information  
View License Complaint

2801 Shaw Street Road, Tallahassee, FL 32309  
Customer Contact Center: 850-467-1395

The State of Florida is an Equal Opportunity Employer. Candidates 2007-2018 State of Florida, Privacy Statement

Under Florida law, certain information is public records. If you do not want your information released to the public, you must request that it not be released. To request that information not be released, you must submit a written request to the State of Florida, Office of the Attorney General, 1111 North West 1st Street, Tallahassee, Florida 32304-1000. If you do not submit a written request, the information will be released to the public. If you do not want your information released to the public, you must submit a written request to the State of Florida, Office of the Attorney General, 1111 North West 1st Street, Tallahassee, Florida 32304-1000. If you do not submit a written request, the information will be released to the public. If you do not want your information released to the public, you must submit a written request to the State of Florida, Office of the Attorney General, 1111 North West 1st Street, Tallahassee, Florida 32304-1000. If you do not submit a written request, the information will be released to the public.

https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=EA356973675A4871874... 5/15/2017

State of Florida  
Minority Business Certification

Marlin Engineering, Inc.

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
03/16/2017 to 03/16/2019

Chief Payroll Secretary  
Florida Department of Management Services

Office of Supplier Diversity

Office of Supplier Diversity • 4090 Esplanade Way, Suite 380 • Tallahassee, FL 32309 • 850-487-0915 • www.dms.myflorida.com/pod

**CONFLICT OF INTEREST STATEMENT**

Marlin Engineering, Inc has no conflict of interest in relation to RFQ No 2017-048. Please see **Form D - Conflict of Interest Disclosure** on PG 82

# CHAPTER

## PROPOSAL RESPONSE REQUIREMENTS INFORMATION

- A. EXPERIENCE, BACKGROUND, REFERENCE FEEDBACK
- B. APPROACH TO PROJECT MANAGEMENT
- C. PROJECTS FOR SIMILAR SERVICE
- D. ORGANIZATIONAL STRUCTURE

04

A  
EXPERIENCE, BACKGROUND,  
REFERENCE FEEDBACK

# OVERVIEW

Founded in August 1991 in Miami, Florida, MARLIN is a full service multidisciplinary planning and engineering firm with an extensive resume of high profile projects throughout the state of Florida. We have diversified our staff, services and markets to be poised to handle larger and more complex challenges. We offer the knowledge and resources of a large firm, as well as the personal attention and efficiency of a small one.

We've served as a General Engineering Consultant for more than 25 municipalities in South Florida and have established strong working relationships with many of the local municipalities, MPOs and councils.

MARLIN is a certified MBE and DBE, with offices located in Miami, Fort Lauderdale, West Palm Beach, Tallahassee, and Puerto Rico. We serve the entire state of Florida as well as projects in adjoining states, assisting public and private clients in their efforts to maintain, improve, expand and modernize existing transportation facilities.

**Our philosophy is collaboration.** We will partner with the City of Delray Beach and implement our collaboration through teamwork and the right allocation of resources within our proposed Team. Our goal is to perform the required services which will ultimately be beneficial to the public and produce technically sound contract documents that are cost conscious, completed on-time and under budget.

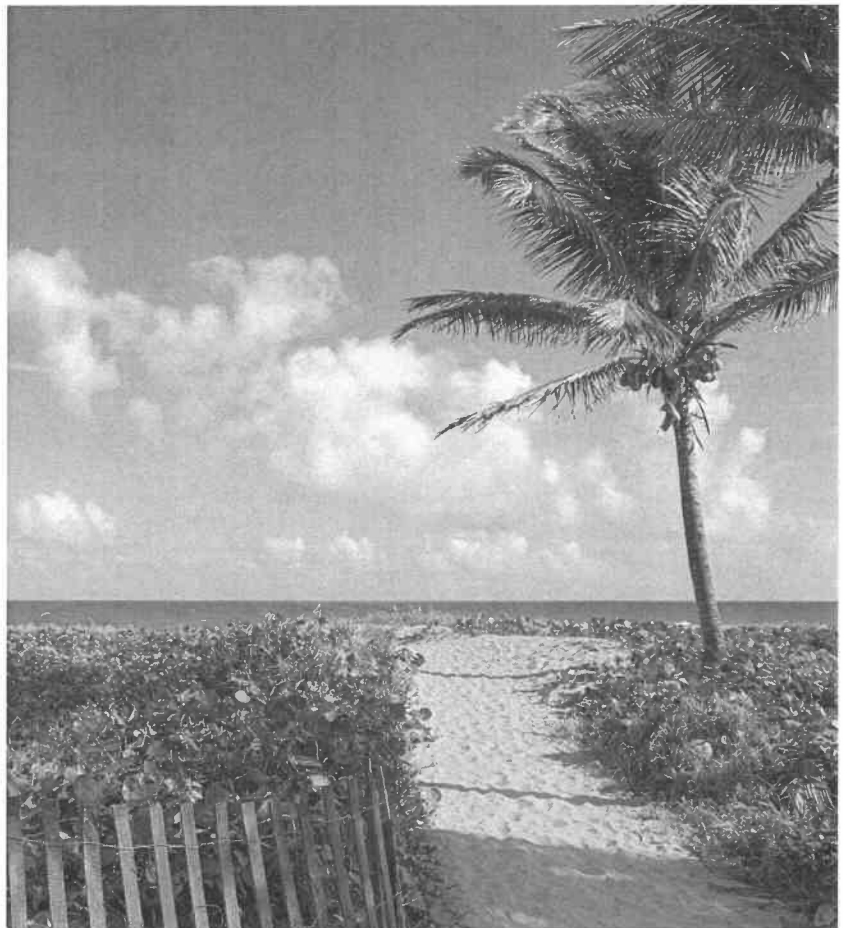
## QUALIFICATIONS

MARLIN continues to grow by adding highly qualified engineers and top level professionals to maintain its leadership, stay current with industry trends and address client demands. Our history demonstrates our adherence to the fundamental values of excellence and innovation. Our team's certifications and licenses include:

- Professional Engineering
- Professional Surveyor
- Certified Bridge Inspectors & Commercial Diving
- American Institute of Certified Planners
- Construction Engineering Inspection Certifications

## AREAS OF EXPERTISE

- Civil Engineering
- Structural Engineering
- Roadway & Highway Design
- Transportation Policy & Planning
- Traffic Engineering
- Complete Streets
- Environmental Services
- Intergovernmental Coordination
- Public Outreach & Participation
- Multi-Modal & Corridor Planning
- Regional Transit & Park-and-Ride
- Carpool/Vanpool & Park-and-Ride
- Pedestrian/Bicycle Planning & Visioning
- Freight & Logistics
- Data Management
- Meeting/Workshop Facilitation
- Land & Site Development
- GIS Mapping
- Surveying





# SERVICES

## ROADWAY DESIGN

At MARLIN, we are innovative and flexible in our approach to designing local, state, and interstate roadways. Our Roadway Design Team prides itself on developing creative solutions for unique and challenging roadway projects, while exceeding operational and safety requirements set forth by governmental agencies.

From simple milling and resurfacing to heavy construction, our Roadway Design Team effectively addresses the entire roadway design lifecycle. Our Project Managers utilize quality control processes and encourage public involvement throughout the project to ensure client satisfaction, and address local concerns.



## SURVEYING AND MAPPING

From field surveys and data collection to utility locations, MARLIN recognizes the importance of quality, accuracy, and timeliness.

MARLIN is fully equipped with cutting-edge technology. Utilizing our in-house inventory items, such as Vaxcavator System, RTK-GPS Utility Survey Location System, and GIS Software, results in cost-effective solutions. Our team has collaborated with private contractors as well as local and state governments to complete even the most challenging projects.



**MARLIN**

## SERVICES:

- ADA Compliance
- Complete Streets
- Crosswalk Enhancement
- Drainage
- Historic Preservation
- Interchange Rehabilitation
- Lighting, Including Decorative Street Lights
- Milling and Resurfacing
- Pavement Marking
- Pedestrian/Bicycle Trails
- Program Construction and Management
- Public Involvement
- Raised and Landscaped Medians
- Roadway New Construction and Reconstruction
- Safe Routes to School
- Safety Improvements
- Sidewalk Widening
- Signalization
- Streetscapes with Shade Canopy
- Sustainability
- Transit Stations/Hubs

## SERVICES:

- As-Built Survey
- Boundary Survey
- Construction Layout
- Drainage Survey
- Elevation Certificates
- GPS –Global Positioning System
- Hydrographic Survey
- Mortgage Survey
- Planimetric Survey
- Right of Way Mapping (Parcel Sketch Preparation and Legal Description, etc.)
- Roadway Design Survey (Alignment, Right of Way Lines, Construction, Utilities and Drainage)
- Subdivision Layout
- Subdivision Planning and Platting
- Subsurface Utility Engineering (Location and Identification)
- Topographic Survey (Digital Terrain Model)
- Utility Coordination
- Wetland line Survey

## TRANSPORTATION

MARLIN understands that thoughtful and creative solutions are essential in order to improve transportation performance. Our Transportation Planning Team takes a multi-modal approach to planning and developing modern transportation systems for Florida's diverse and growing population.

MARLIN specializes in providing transportation planning services tailored for local and state governments as well as private organizations. Our staff will ensure that all site plans and traffic-impact studies comply with local and federal regulations. From traffic-impact analysis to urban mobility studies, our vision remains the same: to provide efficient, affordable, and safe transport solutions today and for future generations



## TRAFFIC ENGINEERING

MARLIN provides exceptional services through the development of traffic operations and safety studies. Our vision is clear: to provide the safest surface transportation systems for the community, while providing cost-effective solutions to our clients.

Our Traffic Engineering Team has pioneered traffic calming throughout Florida as well as developed innovative and customized solutions to improve pedestrian and vehicular mobility. From team evaluations and traffic impact studies, to collaborating with local governments and FDOT, MARLIN is able to provide mutually beneficial solutions to our clients and the public.



## SERVICES:

- Access Management/Functional Classifications
- Complete Streets
- Community Outreach/Public Involvement
- Congestion Management Planning
- Data Mining/Management
- Interchange Proposal Review and Development
- Legislative/Regulative/Policy Analysis
- Multi-Modal Corridor Analysis
- Multi-Modal Transportation Studies
- Pedestrian/Bike Master Plans
- Preliminary Concept Studies
- Project Development and Environmental Studies
- Project Traffic/Travel Demand Forecasting
- Quality/Level of Service (LOS) Analysis
- Site Impact and Growth Management Reviews
- Roadway Characteristics Inventory
- Traffic Calming Master Plans
- Traffic Data Collection and Surveys
- Traffic Impact Studies
- Trail Networks and Multi-use Paths
- Transit Stop Location and Design
- Travel Demand Forecasting
- Urban Mobility Solutions

## SERVICES:

- Access Management Studies
- Arterial Analysis including Traffic Signal Optimization and Operational Analysis
- Intersection Analysis including Operational Analysis
- Left Turn Phase Warrant Analysis
- Level of Service/Capacity Analysis
- Micro-Traffic Simulation
- Pedestrian Safety Studies
- Pedestrian/Bike Master Plans
- Public Involvement
- Qualitative Assessment
- Road Safety Audits
- Safety/Crash Analysis
- Signal Warrant Analysis
- Site Plan Development Review
- Traffic Calming Master Plans
- Traffic Data Collection
- Traffic Impact Studies
- Traffic Operation Studies
- Traffic Signal Design
- Traffic Signal Retiming and Optimization
- Trail Networks and Multi-use Paths
- Transit Stop Location and Design

## ENVIRONMENTAL

Our Environmental Team provides services that range from stand-alone to integrated and supplemental services with various planning and design projects. This comprehensive approach to addressing environmental concerns provides the solutions that our clients need.

We have developed specific guidelines and procedures when providing services associated with our Planning and Design divisions. Throughout this process, quality is continually assessed and maintained to ensure our clients and the community is satisfied.

## SERVICES:

### PLANNING AND PROJECT DEVELOPMENT SERVICES

- Baseline Environmental Site Assessments (BESA)
- Brownfield Site Rehabilitation Agreements (BSRA) and Brownfield Area (BFA) services
- Contamination Assessments, Phase I/Phase II
- Environmental Site Assessments (ESA)
- Project Development & Environment (PD&E) Studies and Documentation
- Florida Master Naturalist Instruction
- Florida's Efficient Transportation Decision-Making (ETDM) Process
- Geographic Information System (GIS) Management and Data Collection
- Grant Application
- National Environmental Policy (NEPA) / Project Development and Water Quality Impact Evaluations (WQIE)

### PERMITTING AND CONSTRUCTION RELATED SERVICES

- Coral Relocation, Maintenance and Monitoring
- Ecological Assessments
- Environmental Resource Agency Permitting
- Mitigation Compliance Monitoring Reporting and Maintenance Activities
- Mitigation Construction and Monitoring
- Seagrass, Coral and Other Benthic Marine Surveys
- Stormwater and Industrial Wastewater Flow Separation Analyses
- Stormwater Management / NPDES Permit Inspections and Instructor Training (FDEP Qualified Stormwater Management Instructor)
- Tree Surveys, Tree Relocation Oversight, Tree Permitting (ISA Certified Arborist)
- Underwater Inspections and Benthic Surveys
- Wetland Delineation and Functional Assessments
- Wildlife and Listed Species Assessments



# EXPERIENCE

## EXPERIENCE WITH MUNICIPALITIES & REGULATORY AGENCIES

Our team has successfully served multiple municipalities and public agencies throughout South Florida. We understand the keys to success for general services contracts and are accustomed to working within tight budgets and schedules.

Our team has extensive experience working with regulatory agencies and will comply with all laws and regulations. We understand that the agency review process in South Florida is often complex with a number of overlapping jurisdictions and agencies. Our team has the technical knowledge and the ability to advocate to the various County agencies including FDOT, SFWMD, FDEP, the Army Corps of Engineers and all other permitting agencies on behalf of the City of Delray Beach. Below is a list of municipalities and public agencies whom we have performed similar services:

- Palm Beach MPO
- Martin MPO
- City of Parkland
- Broward MPO
- City of Fort Lauderdale
- City of Port St. Lucie
- City of Coral Gables
- Miami-Dade County
- City of Miami
- City of South Miami
- City of Homestead
- Town of Miami Lakes
- Miami Shores Village
- Town of Cutler Bay
- Miami-Dade MPO
- City of North Miami Beach
- City of Doral
- Village of Palmetto Bay
- City of Sunny Isles Beach
- City of Aventura
- City of Opa Locka
- City of Miami Beach
- FDOT D4, D6, CO, TP
- SFRTA
- MDX



## RECOGNITION

Our work has been recognized for its planning and design excellence. MARLIN was awarded “Project of the Year” for its engineering work on the NW 25th Street Viaduct (presented by The American Society of Civil Engineers); “Outstanding Achievement in Public Works” for the development and creation of Traffic Calming Projects in the cities of Coral Gables, Miami and others within Miami-Dade County (presented by American Public Works Association); and, “Outstanding Firm of the Year” (presented by the American Society of Civil Engineers).

# REFERENCES

As requested in the RFQ, detailed reference information for independent projects that show experience in each of the disciplines can be found under **TAB C - PROJECTS FOR SIMILAR SERVICES - PG 75**

Florida Department of Transportation District 4  
Betsy Jeffers  
954.777.4061  
Betsy.jeffers@dot.state.fl.us  
Civil Engineering, Surveying, Transportation, Engineering

Town of Miami Lakes  
Adelfa Martinez  
(305) 755-7815  
AdelfaM@miamidade.gov  
Civil Engineering, Surveying, Transportation, Engineering, Planning, Environmental

City of South Miami  
Grizel Martinez  
305.403.2078  
gmartinez@southMiamiFL.gov  
Civil Engineering, Surveying, Transportation, Engineering, Planning

Town of Cutler Bay  
Alfredo Quintero Jr.  
305.234.4262  
aquintero@cutlerbay-fl.gov  
Civil Engineering, Surveying, Transportation, Engineering, Planning

City of Parkland  
Sowande Johnson  
954.757.4144  
sjohnson@cityofparkland.org  
Civil Engineering, Transportation, Engineering, Planning

Martin County MPO  
Beth Beltran  
772.221.1498  
bbeltran@martin.fl.us  
Civil Engineering, Transportation, Engineering, Planning

Miami-Dade County MPO  
David Henderson  
305.375.1647  
dhenderson@miamidademipo.org  
Civil Engineering, Transportation, Engineering, Planning

City of St. Lucie  
Heath Stocton  
772.344.4239  
hstocton@cityofpsl.com  
Civil Engineering, Structural Engineering

City of Doral  
Jorge Gomez  
305.593.6740  
jorge.gomez@cityofdoral.com  
Civil Engineering, Surveying, Transportation, Engineering, Planning



# KEY PERSONNEL

	PROJECT ROLE	EXPERTISE
Jose Santiago, PE	Project Manager	Project Management, Engineering, Civil, Transportation
Miguel Soria, PE	Chief Engineer	Engineering, Civil, Transportation
Jeffrey Weidner	Chief Planner	Transportation
Rafael Lagos, PE	Chief Engineer	Engineering, Civil, Transportation
Julie Vers, PE	Structural Engineer	Engineering, Structural, Transportation
Dalila Fernandez, PE	Project Engineer	Engineering, Civil, Transportation
Roxana Matamoros, PE	Project Engineer	Engineering, Civil, Transportation
Adelis Caban	Environmental Coordinator	Environmental
Leanne Garcia Fernandez, EIT	Engineering Intern	Engineering, Civil, Transportation
Lazaro Fleitas, PSM	Professional Surveyor	Surveying

Resumes of the Key and Support Staff are attached on the following pages.

## MARLIN TEAM

MARLIN has assembled a team to support the City achieve its expectations, vision, and goals. Our Project Manager, Jose Santiago, is supported by a skilled team of designers planners, engineers, surveyors, environmental scientists and inspectors, all of which are MARLIN's in-house personnel. This in-house capability will allow us to streamline solutions

## PROJECT MANAGER

**Jose Santiago, PE** has more than 20 years of engineering experience in the design and management of transportation engineering projects from intersection improvements to complex interchanges. He has experience involving conceptual, preliminary and final design including highway geometry, right-of-way, signing and pavement marking, signalization, lighting, roadway drainage, milling and resurfacing and reconstruction projects. Project Management responsibilities have included scope, schedule, budget, client point of contact, sub-consultant management, development of project design schedules, community involvement and contract development. Before joining MARLIN, Jose held various management positions at the Florida Department of Transportation (FDOT).



# RESUMES



Years of Experience: **19**

#### AREAS OF EXPERTISE

Project Management  
Highway Design  
Roadway Design  
Signalization Design  
Lighting Design

#### EDUCATION

BS Civil Engineering  
University of Miami, 1996

#### REGISTRATIONS

PE Florida 60248, 2003

#### CERTIFICATIONS

Advanced Maintenance of  
Traffic

#### WORK HISTORY

Marlin Engineering, Inc.  
3/2005-Present  
Project Manager  
Engineer of Record

HDR Engineering, Capital  
Improvements - City of Miami  
3/2004-3/2005  
Production Program Manager

Florida Department of  
Transportation, District 4  
4/1997-3/2004  
Project Manager

## Jose Santiago, P.E.

Project Manager

Jose Santiago has more than 19 years of engineering experience in the design and management of transportation engineering projects from intersection improvements to complex interchanges. He has experience involving conceptual, preliminary and final design including highway geometry, right-of-way, signing and pavement marking, signalization, lighting, roadway drainage, milling and resurfacing and reconstruction projects. Project Management responsibilities have included scope, schedule, budget, client point of contact, sub-consultant management, development of project design schedules, community involvement and contract development. Before joining Marlin, Jose held various management positions at the Florida Department of Transportation (FDOT).

#### **Townwide Bicycle and Pedestrian Improvements | Town of Miami Lakes | Project Manager:**

Sidewalk and crosswalk improvements along each side of the existing typical section of four selected corridors in the Town of Miami Lakes. The sidewalk improvements will be in accordance with ADA requirements. Since this is a LAP approved project, MARLIN will coordinate with FDOT on the development of the NEPA documentation required for this project. (2017-Ongoing)

Reference: Carmen Olazabal, (305) 364-6100

#### **Hollywood Blvd. Complete Streets Project | FDOT District 4 | Signalization and Lighting |**

**Project Manager:** Decorative signalization and lighting improvements along Hollywood Blvd from City Hall Circle to Dixie Highway. Responsibilities include the production of signalization and lighting component plans. This Complete Streets Project entails the reconstruction of Hollywood Blvd into a multimodal facility for automobiles, bicycles and pedestrians. (2016-Ongoing)

Reference: Betsy Jeffers (954) 777-4061

#### **Adaptive Signal Control Technology Implementation in Fort Pierce | FDOT District 4 |**

**Project Manager:** Implementation and integration of an adaptive signal control system (Centracs) along SR 5/US 1 (12 intersections) within the City of Fort Pierce. Responsibilities include project management, roadway and signalization design, utility coordination, and public involvement. (2016-Ongoing)

Reference: Carl Dorvil, (954) 777-4296

#### **NW 92nd Avenue | City of Doral | Project Manager:**

Design services for the extension of NW 92nd Avenue. Project includes the preparation of roadway plans, drainage report and plans, surveying, utility coordination, signing and pavement markings, signalization, lighting and permitting. (2016-Ongoing)

Reference: Jorge Gomez, (305) 593-6740

#### **SR 710/Northlake Blvd. Minor Design Safety Improvements | FDOT District 4 | Project**

**Manager:** Lighting improvements at the intersection of SR 710/Northlake Blvd in Palm Beach County. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

#### **SR 834/Sample Road & SR 811/Dixie Highway Minor Design Safety Improvements | FDOT District 4 | Project Manager:**

Signalization improvement (mast arm upgrade) project at the intersection of SR 834/Sample Road and SR 811/Dixie Highway. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

# MARLIN



**SR 7/US 441 and NW 29th Street Minor Design Safety Improvements | FDOT District 4 | Project Manager:** Signalization improvement project at the intersection of SR 7/US 441 and NW 29th Street. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

**Miscellaneous Streetscape Improvements | Town of Miami Lakes | Project Manager:** Provided design services for the installation of paver treatments at various locations, including gateways and specific intersections (unsignalized and signalized), as well as the application of pavement markings. Marlin prepared the construction documents which included three design typical design alternatives, signing and pavement markings, traffic control plan, and cost estimate. (2014).

Reference: Gregory Netto (305) 512-7129

**SR 710/Warfield Blvd. | FDOT District 4 | Project Manager/Engineer of Record:** Major reconstruction project for SR 710/Warfield Blvd. from FPL Martin Power Plant Road to CR 609/ Allapattah Road. Responsibilities include the final roadway design including establishment of typical section, roadway horizontal and vertical geometry, engineering report, drainage analysis and report, production of roadway and drainage plans, development of engineering estimate and specifications (2012-Ongoing).

Reference: Auraliz Benitez (954) 777- 4346

**SR 811 – Dixie Highway from NE 26th Street to McNab Road | FDOT District 4 | Engineer of Record:** Responsibilities included final roadway design for the milling and resurfacing of this corridor. Involved are the preparation of signing & pavement marking plans, estimates, electronic delivery, specification package, community awareness plan, and the 3R report. (2009-2012).

Reference: Bing Wang (954) 777-4406

**SW 208 Street Roadway Improvements | Town of Cutler Bay | Project Manager:** Addition of a new center median, bike lanes and landscaping. Awarded the prestigious American Public Works Association (APWA) Technical and Management Innovation Award. (2008)

Reference: Ralph Casals (305) 234-4262

**SR 7/US 441 3R Project | FDOT District 4 | Project Manager/Engineer of Record:** Milling and resurfacing for SR 7/US 441 from Bailey Road to North of Boulevard of Champions. Responsibilities included final roadway design, preparation of signing and pavement marking plans, estimate, electronic delivery, specification package, Community Awareness Plan, and the Resurfacing, Restoration, and Rehabilitation Report (3R). (2007-2009).

Reference: John Thompson (954) 777-4680

**SR 809/Military Trail from Okeechobee Road to Oxford Street 3R Project | FDOT District 4 | Engineer of Record:** Engineer of Record for the design of signalization plans for this milling and resurfacing project. Improvements included pedestrian control upgrades, addition of internally illuminated signs and retrofit of existing loop assembly. (2006-2010)

Reference: Alina Fernandez (786) 845-9540

**SR 805/Dixie Highway 3R Project | FDOT District 4 | Project Manager/Engineer of Record:** Milling and resurfacing project for SR 805/Dixie Highway from South of Southern Blvd. to SR 80 to North of Belvedere Road 3R Project. Responsibilities included final roadway design for the milling and resurfacing of a one mile corridor. Also included was the preparation of signing and pavement marking plans, estimate, electronic delivery and specification package. (2006-2009)

Reference: Fernando Morales (954) 777-4687

**SR 729/State Market Road | FDOT District 4 | Project Manager:** Milling and resurfacing project for SR 729/State Market Road from SR 15 to US 441. Responsibilities included preparation of the Community Awareness Plan, Resurfacing, Restoration, and Rehabilitation Report (3R) and final drainage report. Also included was the preparation of the roadway plans, signing and pavement markings plans and electronic delivery of this two mile corridor (2006-2009).

Reference: William Sonnett (954) 777-4474



**Years of Experience: 28**

#### AREAS OF EXPERTISE

Bridge Inspections  
Roadway/Bridge Maintenance  
Operations

#### EDUCATION

BS Civil Engineering | Florida  
International University, 1987

#### REGISTRATION

PE Florida 47072, 1993

#### CERTIFICATIONS

Certified Bridge Inspector 0258

#### TRAINING

FHWA-NHI-130053 | Bridge  
Inspection Refresher, 2016

#### WORK HISTORY

Marlin Engineering, Inc.  
1/2016-Present  
Senior VP of Operations &  
Maintenance

Parsons Transportation Group  
8/2014-1/2016  
Principal Project Manager

Florida Drawbridge Services  
2/2013-8/2014  
Director of Operations

FDOT Turnpike Enterprise  
11/2006-2/2013  
Maintenance Engineer

FDOT District 4  
2/2003-11/2006  
District Structures & Facilities  
4/1993-2/2003  
Asst. District Structures &  
Facilities Engineer  
2/1990-4/1993  
Contracts Engineer

## Jose Quintana, P.E., CBI

Executive Vice President of Operations

Jose Quintana has more than 28 years of bridge and roadway and maintenance operations experience. Specializing in the management of roadway asset maintenance programs including conventional, movable and complex bridge structure types. He has held FDOT positions as District Structures & Facilities Engineer, Turnpike Maintenance Engineer and as Director of Operations for an asset maintenance firm specializing in movable bridges. As Department Head for each of these agency units, he was responsible for managing and administering a safe, efficient and economical infrastructure preservation program.

Jose started his bridge inspection and maintenance operations career as a field inspector in on-site inspections of conventional, complex and movable bridge inspections (structural, mechanical, electrical), quality control field reviews and report review for bascule, vertical lift and swing span structures. His participation in field inspections has been pivotal to his hands on approach as project manager on numerous maintenance & construction projects and has given him the knowledge & skills to have a unique perspective at assessing and prioritizing work needs.

His experience includes emergency management planning of pre & post storm events, hurricane evacuations, incident damage assessment and implementation of recovery procedures. He has responded and managed over 10 FDOT Declaration of Emergencies involving infrastructure catastrophic incidents.

**Marlin Engineering, Inc. | Senior Vice President of Operations & Maintenance:** Responsible for developing, implementing and managing asset management programs as well as developing innovative solutions aimed at streamlining day to day general operations, compliance requirements and managing work programs with optimum fiscal responsibility. Responsible for the day to day technical operation of bridge inspection (inclusive of conventional, complex and movable bridge types), maintenance and survey operations. Provides technical expertise and customer relationship outreach (2016-Present).

**Parsons Transportation Group | Principal Project Manager:** Responsible for developing and preparing public-private partnership (P3) operations and maintenance procurement packages consisting of technical and handback output specifications. Led O&M team on the Gordie Howe International Bridge crossing over the Detroit River connecting the state of Michigan with the province of Ontario. Provided project management oversight, engineering studies, development of maintenance specifications and performance measures for all components of the crossing project on both sides of the border (2014-2016).

**Florida Drawbridge Services | Principal Project Manager:** Responsible for the day to day technical operation of bridge maintenance program with emphasis on movable bridge maintenance and operations, incident management, planning, budgeting, scheduling, and development & prioritizing of work maintenance needs. Oversight and management of Asset Maintenance project development and operations within Florida and continental east coast states (2013-2014).

**Florida Department of Transportation | Turnpike Enterprise Maintenance Engineer:** Maintenance Engineer for Florida Turnpike's Roadway Maintenance Operations Unit. Responsibilities include oversight of maintenance program, incident management, planning, budgeting, scheduling, and development & prioritizing of the 5-year work program needs. Specific areas under management include, but not limited to contract administration, structures inspection & repair, environmental, landscaping, good neighbor program, emergency management procedures & implementation, permits, fleet and emphasis to customer service resolution. Oversight includes: • 460 center line miles, 700 bridges, and numerous miscellaneous structures. • \$30M maintenance budget, staff of 35 professionals consisting of engineers, managers, technicians and administrative personnel (2006-2013).

# MARLIN

**Florida Department of Transportation District 4 | District Structures and Facilities Engineer:** Responsible for FDOT District IV's bridge inspection, design & repair, rehabilitation and replacement program. Responsible for management of inspection and bridge maintenance work program and compliance of all state & federal program requirements. Specific areas under management include, but not limited to state & local bridge inspection program, design & repair section, contract administration, Heavy Bridge Crew (HBC), permitting, operating budgets and managing the 5-year work program. Emergency management responsibilities include pre & post hurricane event planning and catastrophic incident response & corrective action plan development. Structure inventory included over 700 bridges varying in complexity, including over 40 (state & local agency) bascule bridges (2003-2006).

**Florida Department of Transportation District 4 | Assistant District Structures and Facilities Engineer:** Responsible for District IV's Design and Repair Section and the oversight of the Heavy Bridge Crew (HBC) operation within the Structures and Facilities Unit. Responsible for contract administration, scheduling, load analysis, in-house design, and oversight of the HBC. Responsible for the evaluation of all structural deficiencies identified by field inspectors and for any corrective action if deemed necessary. Preparing construction and repair cost estimates, project scheduling, plans production, and award of construction contract. Responsible for evaluating bridge permits pertaining to load carrying capacity of bridges (1993-2003).

**Florida Department of Transportation District 4 | Contracts Engineer:** Responsible for contract administration of state and local bridge programs. This included the Local Government Bridge Inspection Program (LGBIP), state & local scour program, overhead sign inspection program and United States Coast Guard drawbridge opening regulation studies. Responsible for contract processing and administration, cost estimates, negotiations and participation on selection committees. Field evaluations and quality control assessment for state and local bridges and signs (1990-1993)

**De Leuw, Cather & Company | Senior Bridge Inspector:** Responsible for contract administration of state and local bridge programs. This included the Local Government Bridge Inspection Program (LGBIP), state & local scour program, overhead sign inspection program and United States Coast Guard drawbridge opening regulation studies. Responsible for contract processing and administration, cost estimates, negotiations and participation on selection committees. Field evaluations and quality control assessment for state and local bridges and signs (1989-1990).



## Miguel Soria, P.E.

Senior Vice President

Years of Experience: **26**

### AREAS OF EXPERTISE

- Project Management
- Highway Design
- Drainage
- Construction Management
- Structures Inspection

### AFFILIATIONS

- Florida Engineering Society
- American Society of Civil Engineers

### EDUCATION

- BS Civil Engineering
- University of Miami, 1989

### REGISTRATIONS

- PE Florida 49359, 1995

### CERTIFICATIONS

- Traffic Control TCMA 22879162
- Value Engineering CUS #840603
- FHWA-NHI-130055 Safety Inspections of In-Service Bridges - 2015
- Maintenance of Traffic - Advanced
- PADI Certified Diver

### WORK HISTORY

- Marlin Engineering, Inc.  
8/1996-Present  
Senior Vice President
- Florida Department of Transportation - District 6  
1/1990-7/1996  
PE Trainee / Project Engineer

Mr. Soria has over 26 years of experience in Highway Design, Drainage, Construction, and Maintenance projects ranging in complexity from Urban/Rural Highway Reconstruction to Urban/Rural Highway Rehabilitation. He has proven to be a leader in the field of plans preparation, utilizing the latest technology to develop horizontal and vertical geometry, cross sections and drainage on complex highway design projects. Mr. Soria has worked in the field of construction as a Resident Engineer for numerous projects and has managed urban reconstruction jobs including drainage and railroad rehabilitation.

### NW 25 Street Final Roadway Design and Post Design Services | FDOT District 6 | Engineer of Record:

Mr. Soria is the engineer of record for the reconstruction of NW 25 Street from NW 89 Ct. to NW 67 Ave and NW 22 St. Included in this project is the design of a complex Viaduct structure from NW 82 Ave to NW 22 St. This complex urban highway design integrated the viaduct profiles (including on-ramps and off-ramps specifically designed for large wheel base trucks) with the at-grade profiles (driveways and side streets). The drainage system consisted of a complex interconnected French Drain system with overflow structure with capacity for both the at grade roadway and viaduct structure. The drainage design required detailed analysis of existing side streets interconnecting those side streets to the proposed drainage system, while considering impacts to the surrounding area and the North Line Canal. Other elements of the roadway plans included a detailed Traffic Control Plans phasing over 50,000 AADT and a Truck Factor (T) greater than 15%. Other elements of the construction document included the Structural plans, Signing and Marking, Signalization, and lighting. Environmental issues such as North Line Canal impacts and site contamination played a major role in the project conclusion. Another factor in the success of the project was Mr. Soria's proactive utility coordination effort, utilities such as FPL (Dist./Trans.), Comcast, Florida City Gas, Everglades Pipe Line, AT&T, WASA, MCI, and Telefutura were key to the project completion. Due to the complex nature of the NW 25 Street project extensive interagency coordination was required. Some stakeholders for the NW 25 Street reconstruction are Florida Department of Transportation, Miami Dade County, City of Doral, Miami International Airport and FTAC (2000-Ongoing).  
Reference: Jason Chang, P.E., (305) 470-5331

### NW 25th Street Culvert Enclosure | FDOT District 6 | Project Manager:

Responsible for the evaluation of the Culvert Enclosure on NW 25th Street North Line Canal from west of NW 82 Ave to the Palmetto Expressway (SR 826). MARLIN was tasked with the feasibility of a proposed culvert which included the evaluation of water surface elevations for floods with recurrence intervals (10, 25, 50, and 100 years) thru the use of HEC-RAS analysis. This project included sizing the proposed culvert and providing proposed culvert geometry, and extensive coordination with agencies such as SFWM and DERM (2004-2005).

Reference: Jason Chang, P.E., (305) 470-5331

### SR 997 at Krome Avenue from SW 8th Street to Kendall Drive | FDOT District 6 | Engineer of Record:

A major reconstruction project widening SR 994 from four to six lanes in Miami-Dade County. Due to its proximity to sensitive wetlands this project requires major permitting activities. Mr. Soria is responsible for the development of the all design plans including the traffic control, drainage and structural plans. This project has an estimated construction estimate of \$17 million dollars (2007-Ongoing).

Reference: Adriana Manzanares (305) 470-5283

# MARLIN

**SR 811 at Dixie Highway from NE 26th Street to McNab Road | FDOT District 4 | QA/QC Officer:** A milling and resurfacing project for the Florida Department of Transportation, District 4. Mr. Soria delivered final roadway design for the milling and resurfacing of this corridor, and prepared signing & pavement marking plans. He also provided estimates, electronic delivery, specification package, Community Awareness Plan, and the Resurfacing, Restoration, and Rehabilitation Report (2009-2013).

Reference: Bing Wang, (954) 777-4406

**SR 7 at US 441 from Bailey Road to North of Boulevard of Champions | FDOT District 4 | QA/QC Officer:** This project included milling and resurfacing project for the Florida Department of Transportation, District 4. Mr. Soria developed final roadway design for the milling and resurfacing of a 0.604 mile corridor. As a part of the project he developed signing & pavement marking plans, estimates, specification package, electronic delivery, effective Community Awareness Plan; also the Resurfacing, Restoration, and Rehabilitation Report (2006-2009).

Reference: John Thompson, (954) 777-4680

**SR 805 at Dixie Highway from South of Southern Blvd to SR 80 to North of Belvedere Rd | FDOT District 4 | QA/QC Officer:** A milling and resurfacing project for the Florida Department of Transportation, District 4. Responsibilities included final roadway design for the milling and resurfacing of a 1.052 mile corridor and the preparation of signing & pavement marking plans, estimate, electronic delivery, and specification package (2006-2009).

Reference: Jeffrey C. Robert, (954) 677-7899

**N.E. 42nd Street | City of Miami | Construction Project Administrator:** Construction management and inspection for the resurfacing of NE 42nd Street to NE 48th Street from North Miami Avenue to NE 2nd Avenue. The project included milling and resurfacing, drainage improvements, ADA compliance, signing, and pavement markings (2009).

Reference: Tatiana Acosta (305) 416-1263

**N.W. 14th Street Resurfacing and Widening | City of Miami | Construction Project Administrator:** Responsible for the construction management and inspection of NW 14 Street Resurfacing from NW 34 Avenue to NW 22 Avenue for the City of Miami Department of Capital Improvements. The scope of services covered resurfacing of NW 14 Street, widening for paved shoulder, drainage improvements, pedestrian ramps, and construction of street parking areas (concrete grid pavers) (2002-2004).

Reference: Cesar Gonzalez (305) 416-1219

**Buena Vista Heights Street Improvements, Phase 1 | City of Miami | Construction Project Administrator:** Responsible for the construction management and inspection for the resurfacing of NW 38th Street to NW 40th Street between North Miami Avenue to NW 2nd Avenue. Milling and resurfacing, drainage improvements, ADA compliance, signing and pavement marking, and landscaping.

Reference: Anthony Sabbag, (305) 416-1072

**Districtwide Drainage Improvements | FDOT District 6 | Project Engineer:** Mr. Soria provided review analysis and improvements to various districtwide drainage deficiencies. Scope of services included rerouting existing storm water and sanitary sewer conflict, re-analyzing existing storm water flooding and providing solutions such as additional French Drains, and drainage basin re-distribution.

**I-95 HOV from North Lake Boulevard to PGA Boulevard | FDOT District 4 | Project Engineer:** Five miles of high occupancy vehicle (HOV) lane for interstate highway in Palm Beach County, lighting justification report, lighting design, signing and pavement marking, including signing for general motorist services. It also required coordination with various state and local agencies (1997-1999).

Reference: John Thompson, P.E. (954) 486-1400

**SR 84 and Paradise Way | Broward County, FL | Project Manager:** Responsible for the design and management of this safety improvement project. Scope of services encompassed design of an exclusive right turn lane, drainage, utility coordination, signing, pavement marking, and R/W coordination (1999-2000).



## Jeffrey Weidner, MSP

Vice President of Freight, Logistics and Passenger Operations

Mr. Weidner is responsible for managing the firm's multi-modal disciplines and expansion of policy planning, growth management and economic development disciplines across the state including the Miami, Plantation, West Palm Beach and Tallahassee Florida Offices. Mr. Weidner serves as the senior planner for multimodal projects including freight, seaport, intermodal, transit, transportation demand management, pedestrian/bicycle and complete streets. As part of the Executive Leadership Team, Mr. Weidner provides direction for achievement of the Company's objectives and initiatives.

**Years of Experience: 32**

### AREAS OF EXPERTISE

Transportation Planning  
Freight and Logistics Planning

### EDUCATION

MS Planning  
Urban & Regional Planning  
Specialization-Transportation  
Florida State University, 1981

BS Government  
Minor-Computer Science  
Florida State University, 1983

### AFFILIATIONS

President Broward Section, 1993  
American Planning Association  
Section Board Member  
1989-1993

### WORK HISTORY

Marlin Engineering, Inc.  
10/2014-Present

Director of Freight Logistics &  
Passenger Operations

FDOT District 4 Office of Modal  
Development (OMD)  
1998-2014  
Strategic Development Manager

PAB Consultants  
1997-1998

Project Manager

Frederic R. Harris, Inc.  
1991-1996

Director of Transportation  
Planning

**SR 80 from US 27 to I-95 Action Plan | FDOT District 4 | Project Manager:** Manages the freight, transit, bicycle and pedestrian elements of a 45 mile corridor action plan on a FDOT SIS facility. SR 80 plays a vital role in the movement of agricultural goods and aggregate between the Lake Okeechobee/Glades area to Florida's Turnpike, I-95 and the Port of Palm Beach. The corridor is experiencing tremendous development pressures that could diminish its role as an inter-regional connector. Mr. Weidner's responsibilities include coordination with the local trucking and intermodal stakeholders, collecting and analyzing existing trucking and freight data, identifying current and future deficiencies and developing and analyzing improvements to address truck/rail/intermodal safety, throughput, parking and connectivity improvements (2015-Present).  
*Reference: Miguel Vargas, (954) 777-4347 / Jessica Josselyn, Kittelson & Assoc., (954) 828-1730*

**Statewide Seaport Origin/Destination Study | FDOT Central Office | Deputy Project Manager:** A state-wide effort to deploy a pilot project focused on monitoring truck and cruise passenger activity to/from 8 of Florida's busiest seaports and monitoring travel patterns as they traverse the state and enter/exit the Stateline. The project included the deployment of 45 Bluetooth devices for 7 weeks at strategic locations at the border, on seaport access roads and at 4 screen lines across the state. Mr. Weidner managed the deployment of covering half of the state and was responsible for filtering and analyzing 25 million records of data collected into valuable planning information on trucking paths, travel times, speeds and directional distribution (2015-2016).  
*Reference: Thomas Hill, (850) 414-4924*

**Palm Beach MPO Unified Planning Work Program (UPWP) Fiscal Years 2017 and 2018, Planning and Programming | Palm Beach MPO | Project Manager:** Responsible for managing the development of the 2 year guiding fiscal and planning document for the Palm Beach MPO. Responsibilities include preparing the document in coordination with the Director and Assistant Director and meeting all federal and state requirements. The document includes annual budgets for FY 2107 and 2018 allocated to 5 different program areas utilizing a mix of USDOT, FDOT, Commission on Transportation Disadvantaged and Palm Beach County funds. Required presentations of draft and final documents to Board, Technical Advisory Committee and the Citizens Advisory Committee. (1/2016-8/2016)  
*Reference: Nick Uhren, (561) 684-4170 / Jessica Josselyn, Kittelson & Assoc., (954) 828-1730*

**Martin County Railroad Grade Separation Study | Martin MPO | Project Manager:** Managing a study vet 28 railroad crossing a feasibility study to identify, evaluate and select potential roadway and non-motorized grade separation crossings on the FEC Rail Line throughout Martin County. The study will identify potential candidate crossings, prioritize the potential candidates for a grade separation and develop conceptual plans for up to 2 crossings for highway/railroad grade separation and for 2 crossings for pedestrian/non-motorized uses. (2016-2016)  
*Reference: Beth Beltran, 772-221-1498*

# MARLIN



**SW 10<sup>th</sup> Street Consensus Building Livability Planning | Broward MPO | Project Manager:** Managing a community outreach effort for the Broward MPO to bring together regional and adjacent community groups to concur and collaborate on a transportation project that has been delayed for decades because of community concerns. The community has been opposed to improvements in the corridor for more than 25 years due to concerns of new overpasses being constructed. Marlin was hired by the community to document their concerns and educate them on the need for the project and options. The project also includes the development of a project brand, website and collateral material and many, many local meetings to inform the public and to get them to understand that there are opportunities that are passing them by and that the status quo is not helping anyone. Project includes development of a logo and tag line, designated phone line for questions from general public, elected official one-on-ones and other outreach techniques (2015-Present).  
*Reference: Paul Calvaresi, (954) 876-0033*

**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT 4-OFFICE OF MODAL DEVELOPMENT (OMD) | STRATEGIC DEVELOPMENT MANAGER | 1998 - 2014:** Mr. Weidner managed the District Intermodal, Seaport, Freight, Express Bus, Pedestrian/Bicycle, MPO and Commuter Services Programs as well as managing the Office-wide Work Program ranging between \$140 M to \$195 M/year and the OMD Business Plan. Responsibilities included the development and supervision of a high performing team, communicating the Mission and Vision of the Department and fostering the skill sets to implement multimodal and intermodal facilities in Southeast Florida. Managing the programs required constant coordination between Offices and Divisions in the District, with Central Office and with 5 Metropolitan Planning Organizations, 6 Transit Agencies, 3 Deepwater Ports and 2 Railroad Agencies.

**FDOT District 4 Pedestrian/Bicycle and Complete Streets Programs | Strategic Development Manager:** Managed the development and implementation of complete streets and bicycle/pedestrian initiatives for 16 years at the District, including:

- Pedestrian/Bicycle Decision Support System - interactive database system utilized to prioritize pedestrian/bicycle gaps based on fatal and serious injury crashes, proximity to schools and parks, TAZ auto-ownership data, length of gap and other relevant factors. The system utilized GIS technology to display maps of gaps and overlays for the prioritization criteria. Resulted in 17 miles of gaps being funded and constructed.
- Modal Development Scoping Forms -developed and implemented a process to provide Design Project Managers with a summary of concise issues related to ped/bike, transit, ADA access to transit, RR Crossing and aviation needs so that they could properly fund and schedule projects. Form was used to track and monitor Project Manager follow through at the Initial, Constructability and Biddability Design Reviews.
- Statewide Leadership - District 4 Pedestrian/Bicycle Champion for the Secretary's Alert Today Alive Tomorrow Safety Campaign. Frequently requested to participate on FDOT statewide initiatives such as: successfully introducing and implementing the initial SIS Program; representing FDOT on the State of Florida Bicycle/Pedestrian Coalition and participating in development of new policies including FDOT Complete Streets and Managed Use Lanes Policies.

**State MPO Certification Process Improvements | FDOT Liaison | Strategic Development Manager:** Supervised a significant streamlining effort of the State of Florida Annual MPO Certification Process. The results were emulated by other Districts across the state and were instrumental in revisions made by FHWA.

**Broward County SR A1A Greenway Development | FDOT Liaison | Strategic Development Manager:** Provided support and guided project from concept to construction for the development of the SR A1A Greenway from Oakland Park Blvd. to Flamingo Drive. Provided technical support to initiate an application that was approved by FDOT to repurpose lanes (from 6ID to 4LD) on SR A1A, managed task work orders that developed typical sections for the greenway and gained public support and coordinated with the Broward MPO to fully fund design and construction.

**District 4 Transit Facilities Guidelines | FDOT Liaison | Strategic Development Manager:** Managed the development of first set of FDOT engineering design standards and specifications for transit. Required input and collaboration with the Modal, Planning, Traffic Operations and Design Offices on standards for bus bays, bus stops, stop locations and street furniture. Elements are now embedded statewide in the FDOT PPM and also in FHWA standards.



Years of Experience: **23**

#### AREAS OF EXPERTISE

Highway Design  
Maintenance of Traffic  
Structures  
Project Management

#### EDUCATION

BS Civil Engineering  
Universidad Del Norte, 1985  
MS Civil Engineering  
Florida International University,  
1996

#### REGISTRATIONS

PE Florida 51412, 1996

#### CERTIFICATIONS

Advanced Maintenance of  
Traffic

#### WORK HISTORY

Marlin Engineering, Inc.  
3/2005-Present  
Chief Engineer

EAC Consulting, Inc.  
10/1995-6/2007  
Project Manager

Bettigole Andrews & Clark, Inc.  
8/1993-10/1995  
Assistant Engineer

## Rafael Lagos, P.E.

Chief Engineer

Mr. Lagos is a Florida Professional Engineer with more than 23 years of civil engineering design experience with expertise in several disciplines such as Structures, Roadway Design, Plans Production, Traffic Control Design, Permitting, and Utility Coordination. Mr. Lagos is highly proficient in ADA and complex geometric design and has served in various leadership roles in highway design production and project management.

**SR 710/Northlake Blvd. Minor Design Safety Improvements | FDOT District 4 | Engineer of Record:** Lighting improvements at the intersection of SR 710 and Northlake Blvd. Responsibilities include the production and implementation of the safety report (2015).

*Reference: Ron Wallace (954) 777- 4641*

**SR 834/Sample Road and SR 811/Dixie Highway Minor Design Safety Improvements | FDOT District 4 | Engineer of Record:** Signalization improvements (mast arm upgrade) project at the intersection of SR 834/Sample Road and SR 811/Dixie Highway. Responsibilities include the production of this safety project and implementation of the safety report (2015).

*Reference: Ron Wallace (954) 777-4641*

**SR 7/US 441 and NW 29th Street Minor Design Safety Improvements | FDOT District 4 | Engineer of Record:** Signalization improvement project at the intersection of SR 7/US 441 and NW 29th Street. Responsibilities include the production of this safety project and implementation of the safety report (2015).

*Reference: Ron Wallace (954) 777-4641*

**SR 710 – Warfield Blvd from FPL Martin Power Plant Rd to CR 609/ Allapattah Rd | FDOT District 4 | Senior Roadway Engineer:** This project is a major reconstruction project for the Florida Department of Transportation, District 4. Responsibilities included the final roadway design including establishment of typical section, roadway horizontal and vertical geometry, engineering report, drainage analysis and report, production of roadway and drainage plans, development of engineering estimate and specifications (2012-Ongoing).

*Reference: Auraliz Benitez (954) 777- 4346*

**SR 811 – Dixie Highway from NE 26th Street to McNab Rd | FDOT District 4 | Senior Roadway Engineer:** Responsibilities included final roadway design for the milling and resurfacing of this corridor. Also involved were the preparation of signing & pavement marking plans, estimate, electronic delivery, specification package, Community Awareness plan, and the Resurfacing, Restoration, and Rehabilitation Report (2009-2013).

*Reference: Bing Wang (954) 777-4406*

**Krome Avenue from SW 8<sup>th</sup> Street to Kendall Drive | FDOT District 6 | Senior Roadway Engineer:** This is a major reconstruction project widening SR 994 from four to six lanes in Miami-Dade County. It includes major permitting activities due to its proximity to sensitive wetlands. Mr. Lagos was responsible for the development of the all design plans including traffic control, drainage and structural plans (2007-2014).

*Reference: Adriana Manzanares (305) 470-5283*



**SR 90/SW 8th Street and SW 87th Avenue PD&E | FDOT District 6 | Senior Engineer:** Study of additional capacity improvements along SR 90/SW 8th Street at the intersection with SW 87th Avenue to improve mobility and Level of Service (LOS). Two build alternatives for this project will be considered. Tasks to be performed include identification of all existing deficiencies, development of alternatives to resolve those deficiencies, identification and minimization of environmental impacts, documentation of the analysis, recommendation of a preferred alternative and FHWA LDCA approval. Responsible for the development of the drainage analysis, drainage and location hydraulic report, and drainage conceptual plans (2014).

*Reference: Bill Evans (Stanley) (561) 584-8708 / Maria Perdomo (FDOT D6), (305) 640-7186*

**NW 67th Avenue & Perimeter Road | Miami-Dade County | Senior Roadway Engineer:** Responsible for the design, permitting, signing and pavement markings for the re-alignment and reconstruction of a major thoroughfare and intersection to Miami International Airports Cargo Area (2011).

*Reference: Ricardo Solorzano (305) 876-7809*

**SR 994 - Quail Roost - SW 200th St at SW 147th Avenue | FDOT District 6 | Senior Roadway Engineer:** Mr. Lagos was responsible for intersection and signal improvements. Some of the major tasks were: right of way acquisition, roadway design for 3R & widening, as well as signing and pavement markings (2006-2008).

*Reference: Jose Barrera (305) 470-5260*

**SR 7 - US 441 from Bailey Road to North of Boulevard of Champions | FDOT District 4 | Senior Roadway Engineer:** Mr. Lagos' responsibilities included final roadway design for the milling and resurfacing of a 0.604 mile corridor, preparation of signing & pavement marking plans, estimate, electronic delivery, specification package, Community Awareness Plan, and the Resurfacing, Restoration, and Rehabilitation Report (2007-2009).

*Reference: John Thompson (954) 777-4680*

**SR 805 - Dixie Hwy from South of Southern Blvd to SR 80 to North of Belvedere Rd | FDOT District 4 | Senior Roadway Engineer:** Milling and resurfacing project. Mr. Lagos' responsibilities included final roadway design for the milling and resurfacing of a 1.052 mile corridor, Preparation of signing & pavement marking plans, estimate, electronic delivery and specification package (2007-2009).

*Reference: Fernando Morales (954) 677-4687*

**SR 713 - Kings Highway from East of Spanish Lakes Blvd. to SR 5 - US 1 | FDOT District 4 | Senior Roadway Engineer:** Mr. Lagos was responsible for the development of roadway design, signing and pavement marking, signalization and traffic control plans. Responsibilities included preparation of the Community Awareness Plan and Final Drainage Report. Also included is the preparation of the Roadway Plans, signing and pavement markings plans and electronic delivery (2007-2009).

*Reference: Vanita Sharma (954) 777-4468*

**SR 729 - State Market Road from SR 15 / US 441 to SR 15 / US 441 | FDOT District 4 | Senior Roadway Engineer:** Milling and resurfacing project. Mr. Lagos' responsibilities included preparation of the Community Awareness Plan, Resurfacing, Restoration, and Rehabilitation Report, and Final Drainage Report. Also included preparation of the roadway plans, signing and pavement markings plans and electronic delivery (2006-2009).

*Reference: William Sonnett (954) 777-4474*

**Biscayne Trail Segments C and D PD&E and Design | Miami-Dade County | Senior Engineer:** This project is an on-going 36.2 mile long multi-use trail study that includes a Project Development & Environmental (PD&E) study, trail design, and construction management services. Mr. Lagos was involved in the conceptual and preliminary design of proposed alternatives. He coordinated the engineering design of a 14-mile pedestrian/bikeway trail connecting Black Point Park and Homestead Bayfront Park, along Biscayne Bay, with the Greenways Trails System. Mr. Lagos also was involved in the coordination with permitting agencies such as FDOT, SFWMD, DERM, US Army Corps of Engineers and US Wildlife and Fishing (2006-Ongoing).

*Reference: Adelfa Martinez, (305) 755-7815*



**Years of Experience: 20**

#### AREAS OF EXPERTISE

Structures Design & Inspection  
Project Management

#### EDUCATION

BS, Civil Engineering - Florida  
International University, 1997

#### REGISTRATIONS

PE: Florida #77896, 2014  
PE: Connecticut #23468, 2003

#### CERTIFICATIONS

Federal Highway  
Administration (FHWA)  
National Highway Institute  
(NHI) Course #100335 Safety  
Inspection of In-Service  
Bridges

FHWA NHI Course #130053  
Bridge Inspection Refresher  
Training

FHWA NHI Course #135046  
Stream Stability and Scour at  
Highway Bridges

FHWA NHI Course #130091  
Underwater Bridge Inspection

FDOT Advanced Maintenance  
of Traffic

#### AFFILIATIONS

American Society of Civil  
Engineers

Florida Engineering Society

Women in Transportation  
Seminar

## Julie A. Vers, P.E.

Structural Design Manager/Senior Structural Engineer

Julie has worked in the area of structural engineering since 1997. She has significant experience in state, county, and municipal projects including structural design/rehabilitation of bridges, sign structures, marine structures, retaining walls, foundations, various miscellaneous concrete, steel, and wood structures, and bridge inspection. Primary types of structural design/rehabilitation projects she has completed include a continuous curved girder steel bridge, moveable bridges, AASHTO girder bridges, steel truss bridge, bridge widenings, parking garages, retaining walls, box culverts and both shallow and deep foundations. Julie is also qualified as a Bridge Inspection Team Leader and has extensive experience in computer applications for structural design and analysis including, MathCad, STAAD, CONSPAN, DESCUS I, MDX, FB-Pier, L-Pile, FDOT Box Culvert Program, FDOT Span Sign Program, FDOT Mast Arm Program, Microstation, and AutoCAD.

### **Turnpike Mainline Widening with Express Lanes from Osceola Parkway to the Beachline Expressway, Orange County | Florida's Turnpike Enterprise | Quality Control (QC) Engineer:**

Julie provided QC Engineering consisting of a widening and the addition of Express Lanes on Florida's Turnpike from Osceola Parkway to the Beachline Expressway and the final three ramp movements at the Turnpike/SR 417 interchange. These ramps included northbound Turnpike SR 91 to southbound SR 417, southbound Turnpike SR 91 to northbound SR 417 and southbound Turnpike SR 91 to southbound SR 417. The project included structures design and plans production for two 1,700+ foot long Category II third level steel box girder bridges located as the SR 417 interchange. Julie provided QC Engineering for Ramp A-2 Flyover Superstructure and Substructure. The A-2 Flyover consists of a double trapezoidal curved steel box girder on hammerhead piers founded on pile caps and 24" prestressed concrete piles.

### **Southern Station Bridge over Lake Worth Drainage District E-2 Canal | Palm Beach County | Project Manager/Supervisor:**

Julie designed a new bridge crossing the Lake Worth Drainage District E-2 Canal. The new bridge will accommodate two traffic lanes and sidewalks on both sides of the road. The bridge was designed to current FDOT, Palm Beach County and Lake Worth Drainage District criteria. In addition, permitting will be provided through Palm Beach County Land Development, Lake Worth Drainage District and South Florida Water Management District. Construction Phase services will also be provided to include bidding, shop drawing reviews, construction inspections and Final Certification. (2016)

### **Hyder Squared Bridge over E-1 Canal | Palm Beach County/Lyons Road III, LLC | Project Manager:**

Providing structural engineering design services for a bridge over Lake Worth Drainage District (LWDD) E-1 Canal in order to access the Hyder Squared property from SR 7. Additionally, she will prepare, coordinate, and submit permit applications along with the required associated documents for the proposed construction. Upon completion of contract documents, Julie will be responsible for overseeing the construction phase of the project. The bridge will accommodate 2 traffic lanes, a median and 2 sidewalks with an overall length of approximately 65 feet. Permit applications will be made to Lake Worth Drainage District, Army Corps of Engineers and Palm Beach County Land Development. The construction phase of the project will include review of shop drawings, monitoring test pile driving, analysis of test pile driving results, including a computer analysis to determine production pile lengths and blow counts required for production piles, inspection and monitoring sheet pile casting, and verification of filter cloth installation and grouting of sheet pile panel joints. Inspections of concrete construction, including reinforcing steel and casting for pile caps, deck slab unit, deck slab unit closure pours, sidewalks and medians, barrier walls and approach slabs will be performed. As-built drawings and certification package will be submitted to Lake Worth Drainage District. (2016).

**I-95 (SR 9) at I-10 Interchange Operational Improvement Design-Build, Duval County | FDOT District 2 | Structural Engineer:**

Julie was on the team of structural engineers teamed with Superior Construction for this \$119 million Design-Build project for the Florida Department of Transportation District Two. The project will improve operation and capacity and improve safety by widening the Fuller Warren Bridge over the St. Johns River and widening the curved multi-level ramps from I-95 to I-10 in the City of Jacksonville in Duval County. I-95 and I-10 are Strategic Intermodal System (SIS) Highways and designated hurricane evacuation routes. (2015 to 2016)

**Ocean Reef Drive Bridge Load Rating | Monroe County/Ocean Reef Club | Project Manager, Supervisor:** Julie was Project Manager and performed a load rating analysis of the existing bridge superstructure for Florida Legal Loads and reviewed the safe bearing capacity of the piles. Julie analyzed the bridge to determine if it is capable of safely allowing the passage of heavy vehicle(s) and equipment necessary for construction of a new parking garage and provided a letter detailing the findings of the structural analysis and recommendations to the Owner. (2016)

**FP&L Heavy Haul Analysis, Palm Beach County | Florida Power & Light Company | Project Manager:** Julie provided a heavy haul analysis and report for transport of an FP&L transformer from the Port of Palm Beach to the FP&L West County Energy Center. Julie reviewed the as-built bridge plans for Bridge No. 934151 (Seminole Pratt Whitney Road over M Canal) and Bridge No. 934167 (Northlake Boulevard westbound over Loxahatchee Slough. An analysis of the bridges was performed to determine if they are capable of safely carrying the proposed axle load for the FP&L transformer transport vehicle. For each of the two bridges, Julie performed a load rating of the existing bridge superstructure and review the safe bearing capacity of the piles. Julie submitted a report detailing the structural analysis and recommendations. (2016).

**Traffic Signal Mast Arms | City of Port St. Lucie | Structural Engineer:** Julie was responsible for reviewing Traffic Signal Mast Arm (TSMA) reports prepared by others for NBIS compliance and edit errors prior to submittal. (2016)

**Anchorage Seawall Repairs, Palm Beach County | Anchorage Association at Jonathan's Landing | Project Manager/Supervisor:** Julie was the Project Manager for a condition assessment for the timber pile and panel seawall at Jonathan's Landing Anchorage Association. She was responsible for coordinating all necessary field investigation to determine seawall piles, panels and cap components to be identified for repair, as well as, preparing contract documents including seawall / roadway repair, probable construction cost and technical specifications. (2016)

**Boynton Golf Estates Bridge over LWDD E-3, Palm Beach County | Namba One Star LLC | Project Manager/Supervisor:** Julie will provide review of the bridge plans and structural component design for a 73' long Contech prefabricated vehicular bridge and substructure over the Lake Worth Drainage District E-3 Canal at Boynton Golf Estates. (2016)

**Old Dixie Highway (Yamato Road to Linton Boulevard) Plan Review | Palm Beach County | Project Manager:** Julie will conduct peer reviews for 35%, 65%, 96% and 100% plan submittals. In addition, reviews will be performed for the proposed typical section and design calculations for compliance with Palm Beach County standards. (2016)

**Florida Mango Road Bridge (10th Avenue North to Edgewater Drive) | Palm Beach County | Project Manager:** Julie will provide structural engineering peer review for Florida Mango Road Bridge replacement. (2016)

**Pahokee Marina Modifications | Palm Beach County | Project Manager/Supervisor:** Julie was Project Manager for structural engineering services for the northern breakwater of the Pahokee Marina 480 feet east and remove approximately 90 feet of the existing west end of the Marina entrance wall. The project involved evaluation of a twin sheet pile coffered system with a concrete cap and a steel sheet pile wall stabilized with a battered pile system and a concrete cap. Options were evaluated for constructability and Julie provided value engineering suggestions to minimize the costs of the modifications. The new breakwater was designed that the wall can be shortened in length, due to budget constraints. Plans and specifications were prepared for the modifications based on wave forces and factors of safety determined necessary by Palm Beach County. (2016)



Years of Experience: **17**

#### AREAS OF EXPERTISE

Roadway Design  
Highway Design

#### EDUCATION

BS Civil Engineering  
University of Detroit Mercy  
Detroit, MI, 1998

#### REGISTRATIONS

PE Florida 77979, 2015

#### CERTIFICATIONS

Advanced Maintenance of  
Traffic

#### WORK HISTORY

Marlin Engineering, Inc.  
5/2007-Present  
Director of Highway Design

EAC Consulting, Inc.  
3/1999-3/2005  
Structural Engineer

## Roxana Matamoros, P.E.

Director of Highway Design

Ms. Matamoros brings more than 17 years of experience in roadway and highway design including roadway design and operations, pedestrian and bicycle facilities and transportation safety. Her areas of specialization include roadway signing and pavement markings, development of engineering cost estimates and specifications, signalization and drainage analysis. She is a well-established professional in the roadway and highway design engineering communities. She has experience working on design projects for both the Florida Department of Transportation (FDOT) and various municipalities throughout the State of Florida and is a licensed Professional Engineer.

#### **Townwide Bicycle and Pedestrian Improvements | Town of Miami Lakes | Senior Roadway Designer:**

Sidewalk and crosswalk improvements along each side of the existing typical section of four selected corridors in the Town of Miami Lakes. The sidewalk improvements will be in accordance with ADA requirements. Since this is a LAP approved project, MARLIN will coordinate with FDOT on the development of the NEPA documentation required for this project. (2017-Ongoing)

Reference: Carmen Olazabal, (305) 364-6100

#### **Hollywood Blvd. Complete Streets Project | FDOT District 4 | Senior Roadway Designer:**

Signing and pavement marking improvements along Hollywood Blvd. from City Hall Circle to Dixie Highway. Responsibilities include the production of signalization and lighting component plans. This Complete Streets Project entails the reconstruction of Hollywood Blvd. into a multimodal facility for automobiles, bicycles and pedestrians (2016-Ongoing).

Reference: Betsy Jeffers (954) 777-4061

#### **NW 92nd Avenue | City of Doral | Senior Roadway Designer:**

Design services for the extension of NW 92nd Avenue. Project includes the preparation of roadway plans, drainage report and plans, surveying, utility coordination, signing and pavement markings, signalization, lighting and permitting. (2016-Ongoing)

Reference: Jorge Gomez, (305) 593-6740

#### **SR 710/Northlake Blvd. Minor Design Safety Improvements | FDOT District 4 | Senior Roadway Designer:**

Lighting improvements for this safety project at the intersection of SR 710 & Northlake Blvd. in Palm Beach County. Responsibilities include the production and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

#### **SR 834/Sample Road & SR 811/Dixie Highway Minor Design Safety Improvements | FDOT District 4 | Senior Roadway Designer:**

Signalization improvement (mast arm upgrade) project at the intersection of SR 834/Sample Road and SR 811/Dixie Highway. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

#### **SR 7/US 441 and NW 29th Street Minor Design Safety Improvements | FDOT District 4 | Senior Roadway Designer:**

Signalization improvement project at the intersection of SR 7/US 441 and NW 29th Street. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

# MARLIN

**SR 997 - Krome Avenue from SW 8th Street to Kendall Drive | FDOT District 6 | Designer:** Maintains tasks such as the final roadway design for the reconstruction and widening of a 5.564 mile corridor from a two to four lane divided roadway. Also included are the preparation of signing & pavement marking plans, signalization, estimates, electronic delivery, and specification packages (2009-2014).  
*Reference: Adriana Manzanares (305) 470-5283*

**SR 7 - US 441 from Bailey Road to North of Boulevard of Champions | FDOT District 4 | Designer:** Responsibilities included final roadway design for the milling and resurfacing of a 0.604 mile corridor. Project included the preparation of the signing & pavement marking plans, estimates, electronic delivery, specification packages, community awareness plan and the resurfacing, restoration, and rehabilitation 3R report (2007-2009).

*Reference: John Thompson (954) 777-4680*

**SR 805 - Dixie Highway from South of Southern Blvd. to SR 80 to North of Belvedere Road | FDOT District 4 | Designer:** Milling and resurfacing project. Responsibilities included a final roadway design for the milling and resurfacing of a 1.052 mile corridor. Project included the preparation of signing & pavement marking plans, estimates, electronic delivery, and specification packages (2007-2009).

*Reference: Fernando Morales (954) 677-4687*

**SR 729 - State Market Road from SR 15 to US 441 | FDOT District 4 | Designer:** Milling and resurfacing project for the Florida Department of Transportation, District 4. Responsibilities included preparation of the community awareness plan, resurfacing, restoration, and rehabilitation report, and final drainage report. Project included the preparation of the roadway plans, signing and pavement marking plans, and electronic delivery (2007-2009).

*Reference: William Sonnett (954) 777-4474*

**SR 713 - Kings Highway from East of Spanish Lakes Blvd. to SR 5 - US 1 | FDOT District 4 | Designer:** Milling and resurfacing. Responsibilities included preparation of the community awareness plan and final drainage report. Project included the preparation of the roadway plans, signing and pavement marking plans, and electronic delivery (2007-2009).

*Reference: Vanita Sharma (954) 777-4468*

**SR 834 - Sample Road from Perimeter Road to Rock Island Road | FDOT District 4 | Designer:** This project included final roadway design for the milling, resurfacing, and widening of a 1.808 mile corridor. Project included the preparation of signing & pavement marking plans, signalization, estimates, electronic delivery, and specification packages (2007-2008).

*Reference: Thuc Le (954) 777- 4552*

**SR 94/Kendall Drive at 87th Avenue & SR 973 at 87th Avenue | FDOT District 6 | Designer:** This was a safety project which included the extension of the outside thru lane on the south approach, the extension of the left turn lanes on the west and north approaches as well as the extension of the left turn lane at Baptist Hospital. Also included under this project was the milling and resurfacing of the road, drainage modifications, signing & pavement markings, and signalization plans (2009-2010).

*Reference: Jose Barrera (305) 470-5260*

**SR 5 / US 1 at SW 192nd Street / Marlin Road | FDOT District 6 | Designer:** This was a safety project which included the addition of left turn lanes and the extension of the existing left turn lanes on the south and north approaches. Also included under this project were the milling and resurfacing of the road, drainage modifications, signing & pavement markings, and the replacement of the signal mast arms at the SW and NE quadrants (2009-2010).

*Reference: Jose Barrera (305) 470-5260*

**SR 5 / US 1 at SW 200th Street / Caribbean Blvd. | FDOT District 6 | Designer:** This was a safety project which included the extension of the existing left turn lanes on the south and north approaches. Also included under this project were the milling and resurfacing of the road, and signing & pavement markings (2009-2010).

*Reference: Jose A. Barrera (305) 470-5260*



Years of Experience: **10**

#### AREAS OF EXPERTISE

Environmental Engineering  
Wetland Delineation  
EPA NPDES regulation  
Stormwater Pollution  
Prevention (SWPPP)  
Permitting  
QA/QC

#### EDUCATION

B.S., Environmental  
Engineering, Polytechnic  
University, 2008

#### CERTIFICATIONS

Solutions for Efficient Energy  
Balance in Wastewater  
Treatment Plants, WEF, 2015

Improving Environmental  
Documentation, UPR Civil  
Engineering & Surveying  
Department, 2014

Be a Successful Project  
Manager, 2013

Project Management Skills for  
Non-Project Managers, 2012

Wetland Delineation I:  
Education for Design and  
Construction, 2012

Wetland Delineation II:  
Methodology, Design and  
Construction, 2012

Marine & Coastal  
Development Impact  
Minimization Guide: from  
Project Design to Permit  
Process, USACE, National  
Oceanic and Atmospheric  
Administration (NOAA), 2010

## Adelís Cabán Acevedo

Environmental Coordinator

Adelís Cabán Acevedo is an environmental coordinator with experience in state and federal water quality standards and regulations, wetland delineation, environmental health and safety (EHS), state general permits, USACE Joint Permit, EPA NPDES regulation, field procedures, quality assurance/quality control (QA/QC), community relations, spill prevention, control and countermeasure (SPCC), Stormwater Pollution Prevention (SWPPP), collecting data, providing project documentation and conducting site inspections. Adelís has led and managed several important projects, such as, environmental studies for ecosystem restoration, and environmental compliance for a maritime terminal improvements project.

#### MARLIN ENGINEERING, INC. | 5/2016-Present

##### Environmental Coordinator:

- Ecological field studies, inspections, analysis/documentation, project management and client liaison

#### Replacement of Bridge 702 | Puerto Rico Highway & Transportation Authority | Associate Project Manager/Environmental Coordinator:

Performed as associate project manager of the Federal and State environmental compliance effort. Participated in project meetings with the client, coordinated meetings between the client and the agencies, and oversaw the project schedule and deliverables. Preparer of the Phase 1 Environmental Site Assessment and co-author of the Environmental Justice Report. Staff support in the wetland delineation effort. This project involved the design, environmental compliance, and construction management of the replacement of Bridge No. 702, located at PR-601 KM 0.1, in the municipality of Arecibo. Bridge superstructure is in extreme condition of deterioration because of the delaminating beam bearing pads and the advance deterioration of the bearings. This bridge crosses over Tiburones Canal, nearby Cienaga Tiburones. This Federal Highway Administration (FHA) sponsored project was selected to contribute in the FHA second Strategic Highway Research Program (SHRP2), Managing Risk in Rapid Renewal Projects (R09) (8/2015-6/2016).

#### Construction Permitting Project | PC St. Thomas, USVI | Environmental Coordinator:

Lead the construction permitting effort and coordinated meetings between the client and USVI Department of Planning and Natural Resources. The project consisted of conducting the construction permitting process for a new 30Kbbs diesel storage tank and cargo pipeline from Crown Bay Marina Pier to USVI Fuel Service Terminal at PC Puerto Rico, LLC, located in St. Thomas, USVI (6/2015).

#### Fuel Farm Environmental Compliance, Design and Permitting Project | Confidential Client | Associate Project Manager/Environmental Coordinator:

Key member of the permitting and environmental team responsible for achieving the Construction Permit in 8 weeks. Performed as Associate Project Manager for the permitting and environmental compliance phase, conducted project weekly meetings, and managed client needs as required. Lead coordinator and co-author of the draft SPCC plan of the facility. Managed contractors and tracked their performance and delivery. Offered Environmental Compliance Training to inspectors and supervisors.

# MARLIN



Stormwater Pollution,  
Prevention Plan Seminar,  
Natural Resources  
Department of Puerto Rico,  
Sea Grant and NOAA, at  
PREQB, 2009

Regulatory Workshop,  
USACE-Jacksonville District,  
Convention Center of Puerto  
Rico, 2009

#### CREDENTIALS

Transportation Worker  
Identification Credential  
(TWIC) for Port Access

#### AFFILIATIONS

Inter-American Association of  
Sanitary Engineering and  
Environmental Sciences  
(AIDIS)

Puerto Rico Water &  
Environment Association  
(PRWEA)

American Water Works  
Association (AWWA)

Water Environmental  
Federation (WEF)

#### WORK HISTORY

Marlin Engineering, Inc.  
5/2016-Present  
Environmental Coordinator

Atkins Caribe, LLP  
10/2010-5/2016  
TTMS Inspector/Technician

San Juan Bay Estuary  
Program  
8/2008-9/2010  
Water Quality Monitoring  
Program Coordinator

Coastal & Marine Services  
7/2006-7/2007  
Sales Process Manager

This project involved design, environmental compliance, and construction management services for a 100k gallon aviation fuel storage facility, and to conduct due diligence environmental assessment for its potential future expansion. The facility design consists of a structural concrete mat for five skid-mounted aboveground horizontal tanks, improvement and reconstruction works of the existing access road pavement, electric utilities, an emergency power generator, storm sewer utilities, a 5k gallon holding tank to retain runoff water and potential spills, and the installation of an 8k gallon oil/water separator tank. The project permitting included: OGPe's Environmental Recommendation, Consolidated General Permit (Solid Waste and Erosion Control), OMPU Construction Permit, Tree Cutting Permit, Earth Crust Removal, Air Permit, Construction NPDEs, and endorsements from the Federal Aviation Administration, Environmental Quality Board and Department of Natural and Environmental Resources. Environmental Due Diligence services included: Phase I and Phase II ESAs (soil and water laboratory testing), Cultural Resources, Geotechnical Borings, Topographic Survey, Traffic Capacity Survey, Maintenance of Traffic, Tree Inventory, Flora and Fauna, Subsurface Utility Survey, and Jurisdictional Wetland Delineation (01/2015-8/2015).

**San Juan Isla Grande Terminal Improvement Project Environmental Evaluation and Permit Application | CROWLEY Liner Services | Associate Project Manager/Environmental Coordinator:** Developed proposed project objectives and targets, and reported to management on progress in attaining them. Served as team leader on sediment and water chemical characterization studies. Planned and coordinated fieldwork, and provided scientific staff support. Contacted state and federal agencies regarding project-related permitting and compliance assurance. Conducted permit application process. Co-author of the Environmental Evaluation report. This project involved conducting environmental and geotechnical studies for a proposed dredging and the construction of a concrete pier. The project had to comply with the U.S. Army Corps of Engineers (USACE) and Environmental Protection Agency (EPA) 33 CFR regulations (08/2013-08/2014).

**San Juan PR-22 and PR-5 Environmental and Permit Compliance Audit | Autopistas Metropolitanas de Puerto Rico, LLC | Associate Project Manager/Environmental Coordinator:** Developed proposed project inspection objectives and targets, and reported to management on progress in attaining them. Served as team leader on toll plazas EHS inspection and environmental permitting compliance. Scheduled and conducted meetings with client. Served as analyst for the collected inspection data, facility permit compliance, and as the inspection reports writer. Contacted state and federal agencies regarding project-related permitting compliance. This project involved conducting an environmental audit (permit search and analysis, site visits, data validation, and inspections) for the PR-22 and PR-5 facilities in Puerto Rico (10/2011- 01/2012).

**San Juan Caño Martín Peña Ecosystem Restoration Project – Feasibility Report and Environmental Impact Statement | Corporación del Proyecto ENLACE del Caño Martín Peña | Associate Project Manager/Environmental Coordinator:** Maintained, wrote and revised quality assurance documentation and procedures. Developed proposed project objectives and targets, and reported to management on progress in attaining them. Performed site inspections, planned and coordinated fieldwork, and provided scientific staff support. Monitored progress of environmental improvement programs. Served on teams conducting multimedia and project inspections; and provided assistance with planning, quality assurance, safety inspection protocols, and sampling. Provided administrative support for projects by collecting data, provided project documentation, and performed other general administrative duties. This project involved preparing and completing a feasibility report and environmental impact statement for the Caño Martín Peña ecosystem restoration project. The document had to comply with both federal and Puerto Rico's applicable environmental legislation and regulations. (10/2010-10/2013).



## Dalila Fernandez, P.E.

Traffic Engineer

Years of Experience: **11**

### AREAS OF EXPERTISE

Transportation Planning  
Traffic Engineering

### EDUCATION

BS Civil Engineering  
Florida International University  
2005

MS Civil Engineering  
Florida International University  
2012

### REGISTRATION

PE Florida 76938, 2013

### WORK HISTORY

Marlin Engineering, Inc.  
7/2008-Present  
Traffic Engineer

Advanced Transportation  
Engineering Consultants  
12/2005-6/2008  
Transportation Analyst

Ms. Fernandez has more than 11 years of transportation planning and traffic engineering experience. She has conducted numerous traffic studies such as qualitative assessment, signal warrant studies, intersection analysis, high crash location investigations, short-term intersection and segment improvements, traffic impact studies, and speed and volume studies. In addition, Ms. Fernandez has been involved in the development of conceptual design and alternatives analyses for roadway and pedestrian/bicycle facilities, as well as Project Development and Environment (PD&E) and feasibility studies.

### Districtwide Traffic Operations Access Management | FDOT District 4 | Traffic Engineer:

Provide FDOT with Professional Traffic Engineering Services through in-house support and various traffic engineering studies. Marlin provides both proactive and reactive support to the District 4 Access Management Unit to include analysis for a varied range of conditions and situations. She prepared for, schedules and conducted meetings (Typically Pre-Application and Access Management Review Committee (AMRC) meetings) with developers, consultants and other governmental agencies. In addition, as part of this contract, Marlin prepares Access Management Master Plans, Qualitative Assessments and attends public meetings on behalf of the Department. Ms. Fernandez provides in-house support to the District (2014-Ongoing).

Reference: Jonathan M. Overton (954) 777-4376

### Districtwide Safety Contract | FDOT District 6 | Senior Traffic Engineer:

Ms. Fernandez performs several in-house safety tasks ranging from fatal crash reviews to districtwide safety analysis. A great majority of the tasks consist of crash analyses, improvement recommendations and performing benefit-cost analysis. The crash analyses consist of sorting crash data by type and number of accidents, calculating confidence levels, performing field observations, identifying the causes of accidents, determining the economic impacts, and developing solutions to improve conditions (2012-Ongoing).

Reference: Misleidys Leon, (305) 470-5345; Vivek Reddy (954) 330-9111

### Districtwide Traffic Operations Safety Studies | FDOT District 6 | Traffic Engineer:

Provides FDOT with Professional Traffic Engineering Services through the development of various traffic operations and safety studies that are identified for intersections, arterials and related improvement recommendations and evaluations. Studies developed under this contract include: Qualitative Assessments, Signal Warrant Analysis, Intersection Analysis, Arterial Analysis, Left Turn Phase Warrant Analysis, and Fatal Crash Reviews. Ms. Fernandez has performed several studies throughout the district (2014-Ongoing).

Reference: Miguel Caldera, (305) 470-5335

### SW 8 Street / SW 87th Avenue PD&E | FDOT District 6 | Traffic Engineer:

Supervising the data collection of current corridor traffic counts, 20-year Design Corridor system Traffic, volume of trucks and buses for existing, opening, interim years and design year, LOS "C" traffic volumes at anticipated posted speed, and turning movement counts (TMC). She will also perform queue length studies and a traffic noise study. Ms. Fernandez will develop traffic projections, Average Daily Traffic (ADT), Design Hour Volume (DHV), develop design traffic projections to be used to establish the basic design requirements for roadway typical sections, and intersection design. She will also perform the existing conditions traffic operational and capacity analysis of the corridor and intersections. She will analyze crash data of the corridor and will conduct an Arterial Safety Analysis (2015-Ongoing).

Reference: Bill Evans, Stanley Consultants, (561) 584-8708; Maria Perdomo, FDOT, (305) 640-7186



**General Planning Consultant | FDOT District 4 | Traffic Engineer:** This is an on-call services consultant contract for District 4. Assignments include project traffic forecasts (travel demand), model support, DRI review, PD&E review, IMR/IJR review, GIS support, and on-site planning support services (2011-Ongoing).

*Reference: Chon Wong, (954) 777-4659*

**I-95 at SW 10th Street Interchange Modification Report | FDOT District 4/Kittelson & Associates | Traffic Engineer:** Prepared an Interchange Modification Report (IMR) for the interchange of I-95 and SW 10th Street in Broward County, FL. Ms. Fernandez evaluated the need and justification for improvements recommended in the Preliminary Interchange Analysis Study. She assisted the Project Manager coordinating meetings, performed field inspections verifications, analyzed the weaving activity on the I-95 southbound off-ramp and Newport Center Drive Intersections, and conducted mainline weaving, diverge, and merge analysis. Ms. Fernandez was instrumental on the capacity analysis, traffic safety assessment, comparative analysis, and the draft and final report production (2014).

*Reference: Thuha Nguyen Lyew (KAI), (954) 828-1730, Lisa Dykstra (FDOT D4), (954) 777-2299*

**Trucking Classification Counts | FDOT District 4 | Traffic Engineer:** As a Traffic Engineer, Ms. Fernandez managed the 24-hour vehicle classification counts on trucking corridors at 362 locations within Broward County (158 locations), Palm Beach County (115 locations) and Treasure Coast (St. Lucie, Indian River and Martin Counties - 89 locations) on weekdays (2014).

*Reference: Chon Wong, (954) 777-4659*

**Connecting NW 25th Street to HEFT Study | Miami-Dade County - MPO | Traffic Engineer:** Ms. Fernandez performed data input and level of service analysis for NW 12th Street, NW 25th Street and NW 36th Street corridors between HEFT and Palmetto Expressway. She also assisted in the development of a conceptual plan for a direct connection between NW 25th Street and the HEFT to relief freight traffic along NW 36th Street and Palmetto Expressway corridors (2012-2013).

*Reference: Jesus Guerra, (305) 375-2069*



## Leanne Garcia Fernandez, EIT

Traffic Engineer Intern

Extensive experience for 11 years in executing and leading engineering projects related to water resources, sanitary engineering, and roadway drainage design particularly in hydrology, hydraulics, stormwater drainage, scour and sedimentation studies. Highly skilled at hydraulic modeling of bridge and culvert, bridge scour, open hydraulics channels, floodplain modeling, design of sanitary sewer gravity, and water distribution systems. Proficient in HEC-RAS and AutoCAD Suite for modeling software, and MS Office suite as support. Ability to work positively in a fast paced and dynamic environment.

Years of Experience: **11**

### AREAS OF EXPERTISE

Traffic Engineering  
Civil/Hydraulic Engineering  
Transportation Planning

### EDUCATION

BS Civil Engineering  
Higher Polytechnic Institute  
Jose Antonio Echeverria  
(ISPJAE) | 2002

### CERTIFICATIONS

Engineer in Training (E.I.T.)  
California 2014  
Certificate No. EIT 151983

### WORK HISTORY

Marlin Engineering, Inc.  
Traffic Engineer Intern  
Apr. 2014 to Present

Proihc LTDA  
Co-founder/ Project Manager  
Mar. 2010 to Mar. 2012

### Districtwide Traffic Operations Safety Studies | FDOT District 6 | Traffic Engineer Intern:

The purpose of this consultant contract is to provide the Department with Professional Traffic Engineering Services through the development of various traffic operations and safety studies that will be identified for intersections, arterials, and related improvement recommendations and evaluations. This includes five basic types of safety and traffic operations studies such as: Qualitative Assessments, Signal Warrant Analysis, Intersection Analysis, Arterial Analysis, Left turn Phase Warrant Analysis, Composite Studies, and other traffic engineering related studies, Fatal Crash Reviews, and Speed Zone Studies (2014-Ongoing).

*Reference: Miguel Caldera, (305) 470-5335*

### Districtwide Traffic Operations and Safety Studies Contract | FDOT District 6 | Traffic

**Engineer Intern:** Development of various traffic operations and safety studies for intersections, arterials, and related improvement recommendations and evaluations. Contract includes the development of basic types of safety and traffic operations studies plus composite studies, including, Qualitative Assessments, Signal Warrant Analysis, Intersection Analysis, Arterial Analysis, Left Turn Phase Warrant Analysis, Fatal Crash Reviews, Speed Zone Studies and Technical Memos. (2015-Ongoing).

*Reference: Ivette Funtanellas (305) 470-5311 / Vivek Reddy (305) 704-6440*

**General Planning Consultant | FDOT District 4 | Traffic Engineer Intern:** This is an on-call services consultant contract for District 4. Assignments include project traffic forecasts (travel demand), model support, DRI review, PD&E review, IMR/IJR review, GIS support, and miscellaneous on-site planning support services (2014-Ongoing).

*Reference: Chon Wong, (954) 777-4659*

### Districtwide Traffic Operations Access Management | FDOT District 4 | Traffic Engineer

**Intern:** Provides FDOT with Professional Traffic Engineering Services through in-house support and various traffic engineering studies. Marlin provides both proactive and reactive support to the District 4 Access Management Unit to include analysis for a varied range of conditions and situations. She prepares schedules and conducts meetings (Typically Pre-Application and Access Management Review Committee (AMRC) meetings) with developers, consultants and other governmental agencies. In addition, as part of this contact, Marlin prepares Access Management Master Plans, Qualitative Assessments and attends public meetings on behalf of the Department. She also provides in-house support to the District. (2014-Ongoing).

*Reference: Jonathan M. Overton (954) 777-4376*

**SW 8 Street / SW 87th Avenue PD&E | FDOT District 6 | Traffic Engineer Intern:** Ms. Fernandez will analyze the data collection of corridor traffic counts, including turning movement counts (TMC), average daily traffic (ADT) counts, heavy vehicle counts and queue length studies. She will also analyze the crash data collection for the corridor and will conduct an Arterial Safety Analysis as well as Intersection Safety Analyses for the study intersections (2015-Ongoing).

*Reference: Bill Evans, Stanley, (561) 584-8708 ; Maria Perdomo, FDOT, (305) 640-7186*

**Pedestrian Study on SW 107<sup>th</sup> Ave. from Kendall Dr. South to SW 9100 Block | FDOT District 6 | Traffic Engineer Intern:** Provides FDOT with Professional Traffic Engineering Services through the development of various pedestrian traffic operations and safety improvements. This location is ranked in the top 15 high crash locations for pedestrian crashes. These study limits were identified by the FDOT Safety Office to identify unique safety solutions for pedestrian crashes. Task included data collection for vehicle and pedestrians, review of crash data and analysis, field inventory and review, development and evaluation of improvements. Suggested improvements included a detectable pedestrian warning system at the intersection crosswalks, along with a pedestrian activated High-Intensity Activated crossWalk beacon (HAWK) for pedestrians to cross at mid-block location. (2015-Ongoing).

*Reference: Miguel Caldera, (305) 470-5335*

**Paraiso Development-Traffic Impact Analysis | Thirty First Property Owner LLC/The Related Group | Traffic Engineer Intern:** This project is a single phase development and consists of 276 condominium units and 2,900 square feet of commercial/ retail development. As part of a preliminary study of the existing conditions, traffic data is being collected on the defined intersections within the project study area. The traffic volume data includes four-hour intersection turning movement volumes, during the AM and PM peak hours. This includes Turning Movement Counts, 24- Hour Bi-Directional Machine Counts, and Segment Traffic Volumes (Ongoing).

*Reference: Jon Paul Perez, (305) 460-9900*

**Beach Trip Generation Rates | FDOT District 4 | Traffic Engineer Intern:** Collected 24-Hour ADT Bi-Directional Counts, Parking Counts, Vehicle Occupancy Data Counts (1 to 5 persons) of incoming vehicles and Beach Occupancy counts at three (3) separate beach location; Crandon Park Beach-Key Biscayne (Dade County), Dania Beach (Broward County) and Lake Worth Beach (Palm Beach County) on a typical weekday and a Saturday (2013-2014).

*Reference: Chon Wong, (954) 777-4659*

**Trucking Classification Counts | FDOT District 4 | Traffic Engineer Intern:** For this on-call consultant services contract Marlin Engineering collected 24-Hour vehicle classification counts on trucking corridors at 362 locations within Broward County (158 locations), Palm Beach County (115 locations) and Treasure Coast (St. Lucie, Indian River and Martin Counties) (89 locations) on a typical weekday (Tuesday, Wednesday and Thursday) (2014).

*Reference: Chon Wong, (954) 777-4659*

**Downtown Redevelopment Traffic Impact Analysis | Village of Palmetto Bay | Traffic Engineer Intern:** The purpose of this consultant contract is to analyze and evaluate the impacts of the downtown Palmetto bay street closures on the surrounding roadway network and intersections based on the new design being planned for Downtown Redevelopment Task Force (DRTF) preliminary project area, which consists of 6,000 new residential units and 400,000 new square feet of commercial development. The traffic study includes road closures, proposed traffic circles, and traffic counts (Ongoing).

*Reference: Ron Williams, (305) 259-1234*



## Lazaro Fleitas, PSM

Senior Surveyor & Mapper

Mr. Fleitas has extensive experience in all types of surveying projects including Boundary Survey, Topographic Survey, Sectional Survey, Construction layout, As-Built Survey, Land Development Survey, Right of Way Survey, Specific Purpose Survey, preparation of Control Survey and Right of Way maps. His responsibilities include Project Management, client relations, proposals, service negotiations and performing the necessary quality control to ensure client needs are met.

Years of Experience: **27**

### AREAS OF EXPERTISE

Survey & Mapping

### EDUCATION

Irrigation & Drainage Engineer  
Higher Institute of Agriculture  
Science, 1989

Topography Middle Technician  
Alvaro Reynoso Polytechnic  
Institute, 1980

### CERTIFICATIONS

Professional Surveyor &  
Mapper – Florida 6518, 2006

### WORK HISTORY

Marlin Engineering, Inc.  
2/2007-Present  
Senior Surveyor & Mapper/  
SUE Project Manager

FDOT District 6  
1/2000-2/2007  
Professional Land Surveyor II

Biscayne Engineering  
1/1992-1/2000  
Survey Technician/Party Chief

### SR 997 - Krome Avenue from SW 88th St to SW 8th St | FDOT District 6 | Survey Project

**Manager:** Mr. Fleitas was responsible for the direction of all survey activities. This project entailed the establishment and/or resolution of section lines, right of way lines, vertical control, horizontal control, digital terrain models, utility survey, drainage survey, topographic survey, and static mode GPS. (2007- 2009).

### SR 7 - US 441 from Bailey Road to North of Boulevard of Champions | FDOT District 4 |

**Project Surveyor:** Mr. Fleitas was the Survey Project Manager responsible for the direction of all survey activities. This survey entailed topography survey, project network control, and milling and resurfacing for the Florida Department of Transportation, District 4. (2008 - 2009)

### SR 94/ Kendall Drive at 87th Avenue & SR 973 at 87th Avenue | FDOT District 6 | Project

**Surveyor:** Responsible for the direction of all survey activities which involved safety improvements at specific locations within the project limits. The survey entailed the establishment of vertical and horizontal control, digital terrain models, check cross sections, drainage survey, and a planimetric survey. (2009 - 2009).

### Wynwood Neighborhood Service Center (2902 NW 2nd Ave)| Miami-Dade County | SUE

**Surveyor:** Mr. Fleitas was the Survey Project Manager responsible for the direction of all survey activities. This project entailed Horizontal Control, Vertical Control, Baseline of Survey, Right of way Lines, Property Corners, topographic, Cross-sectional, Spots Elevation, Drainage Survey, Sanitary Sewer Survey, and Survey Tree. (2010 - 2010).

### SR 811/Dixie Highway from NE 26th Street to McNab Road | FDOT District 4 | Project

**Surveyor:** Responsible for the direction of all survey activities. This survey entailed the establishment of vertical and horizontal control, digital terrain models, check cross sections, and providing topographic updates for the aerial photogrammetric survey. (2010 - 2011).

### SUE at RickenBacker Causeway | Miami-Dade County | SUE Surveyor:

Mr. Fleitas was the Survey Project Manager responsible for the direction of all survey activities. This project entailed the use of vacuum to excavate for the purpose of physically measuring vertical location, as type of material and depth of utility. Two soft digs would be performed to discover and establish an existing FPL line. (2011-2011).

### Greenways Biscayne Trail Segments C | Miami-Dade County | SUE Surveyor:

Established vertical and horizontal controls as well as baseline survey, showed record right of way line, topography survey, check sections, and DTMS. (2011-2012).

### Park Trail Improvements PSA | Miami Dade County | SUE Surveyor:

Mr. Fleitas was the Survey Project Manager responsible for the direction of all survey activities. This project entailed Baseline of Survey, Right of way Lines, Topography Survey, Bench Marks, Network Control, and Cross sections (2011-2012).

# MARLIN

**SR 710 - Warfield Boulevard | FDOT District 4 | Project Surveyor:** Full DTM (Digital Terrain Model), topographic survey that expands from 300 feet west of Martin power Plant to three hundred feet east of CR-609. A total distance of 6.3 miles. Activities include, but are not limited to establish or recover control points, verify alignment, Drainage Survey, and Right of Way Survey. (2012-2015).

**SR 7 / US 441 at the Intersection with NW 29th Street | FDOT District 4 | Project Surveyor:** Provided horizontal/vertical control, signal light survey, topographic/DTM and cross sections. The design survey was to extend 700 feet south from center line of NW 29th street to 300 feet north from center line of NW 29th street along SR 7 / US 441. (1/2015-2/2015).

**SR 710 / Beeline Highway at Intersection of North Lakes Blvd. | FDOT District 4 | Project Surveyor:** Horizontal/vertical control, baseline survey, Right of Way survey, topographic/DTM, cross sections and signal light survey. The survey was to extend 1000 feet south of center line of North Lakes Blvd. to 1,200 feet north of center line of North Lakes Blvd. along SR 710 / Beeline Highway. Also consisted of 1,200 feet west of center line of SR 710 / Beeline Highway to 1,000 feet east of center line of SR 710 / Beeline Highway along North Lakes Blvd. (4/2015-5/2015).

**SR 834 / Sample Road & SR 811 / Dixie Highway | FDOT District 4 | Project Surveyor:** Horizontal/vertical control, baseline survey, Right of Way survey, topographic/DTM, cross sections and signal light survey. The design survey was to extend 800 feet south of center line of SR 834 / Sample Road to 700 feet north from center line of SR 834 / Sample Road along SR 811 / Dixie Highway and 1,000 feet west of center line of SR 811 / Dixie Highway to 1,000 feet east from center line of SR 811 / Dixie Highway along SR 834 / Sample Road. (5/2015-5/2015).

**TMB Peninsula Aviation Leasehold Survey – Kendall-Tamiami Executive Airport | Miami-Dade County | SUE Surveyor:** Responsible for NGS points recovery, section corners recovery, state plane coordinate in NAD 83/07, establish vertical and horizontal control points, topography survey, establish leasehold boundary survey, and legal description. (2012)

**SR 823 - Flamingo Road from Johnson Street to South of County Glen Drive | SUE Project Manager:** Project Manager for the designation, location, and survey of 4 intersections (16 Quadrants) and 20 light pole locations.

**SR 994/Quail Roost Drive from E of SW 113 Avenue to E of HEFT On/Off Ramps | Project Surveyor:** This was a 3R project which included milling and resurfacing, signing and pavement marking, drainage modifications and signalization. The survey entailed the establishment of vertical and horizontal control, digital terrain models, check cross sections, drainage survey, and a planimetric survey.

**SR90 /SW 8th Street at SW 122nd Avenue | Project Surveyor:** Project entailed safety improvements at specific locations. The survey entailed the establishment of vertical and horizontal control, digital terrain models, check cross sections, drainage survey, and a planimetric survey.

**Town of Cutler Bay SW 208th St from Old Cutler Road to SW 87th Ave. | Project Surveyor:** Project entailed the establishment and/or resolution of section lines, right of way lines, vertical control, horizontal control, digital terrain models, utility survey, drainage survey, and static GPS.

**Land Surveying Services along SW 157 Ave from SW 152 St to 184 St. | Miami-Dade County | Project Surveyor:** Project entailed setting network control using RTK GPS methods, Bench Run, Topography (Topo) within Right of Way +25' beyond, Cross sections at 50' intervals, Side street X-sections R/W TOR/W+20', Profiles at side streets, Right of Way Lines, and final deliverables were turned in electronically with a CADD drawing.

**Science Classroom Complex | Florida International University | Project Surveyor:** Project Surveyor for a new, 121,000 GSF classroom complex located on the FIU Modesto A. Maidique Campus in Miami. Survey services included verification of boundary survey; Establish horizontal and vertical control points; Stake and grade Water Line, Storm Drainage and Sewer Line; As-built Storm Drainage, Water Line and Sewer Line; and Rough stake of parking and drive area.



## Jennifer Fierman, AICP, CPM

Multimodal Project Manager

Years of Experience: **10**

### AREAS OF EXPERTISE

Pedestrian, Bicycle and  
Greenways Planning  
Data and Statistics

### EDUCATION

Mechanical Engineering  
Florida A&M University

### CERTIFICATIONS

American Institute of Certified  
Planners  
Certified Public Manager

### WORK HISTORY

Marlin Engineering, Inc.  
10/2015-Present  
Multimodal Project Manager

Florida Department of  
Transportation, District 4 OMD  
7/2013-10/2015  
Complete Streets Coordinator

Florida Department of  
Transportation, District 6  
7/2012-10/2013  
Maintenance Management  
Systems Administrator

Florida Department of  
Transportation, District 6  
11/2007-10/2012  
District Statistics Administrator

Florida Department of  
Transportation, District 4  
5/2006 – 11/2007  
Roadway Data Technician

Ms. Fierman is responsible for managing the firm's multimodal disciplines across the state including the Miami, Plantation, Tampa and Tallahassee, Florida offices. Her responsibilities include Project Management, Team Leader on pedestrian/bicycle and Complete Streets projects and as a technical specialist on data and statistics.

**Protected Bike Lanes Master Plan | Miami-Dade MPO | Project Manager:** Ms. Fierman is managing a project for the development of the Miami-Dade MPO Protected Bike Lanes Master Plan. Protected bike lanes (also known as separated bike lanes and cycle tracks) will create a county-wide low-stress bikeway network connecting existing bike facilities, population centers, employment areas, educational facilities, recreational facilities, other civic institutions to existing and planned transit facilities including the Strategic Miami Area Rapid Transit (SMART) Plan corridors. The study will identify two pilot projects for fast-track implementation. (8/2016 – 5/2017)  
*Reference: David Henderson, Miami-Dade Metropolitan Planning Organization, (305) 375-1647*

**Bike Friendly Miami-Dade Program | Miami-Dade MPO | Project Manager:** Ms. Fierman is responsible for coordinating the effort to establish Miami-Dade County as a Bicycle Friendly Community by pursuing the Bicycle Friendly designation from the League of American Bicyclists. In addition to preparing the application, primary tasks include identifying and providing technical assistance to municipalities, businesses, and universities that also may be interested in obtaining a Bicycle Friendly designation. As part of this task, Ms. Fierman also managed the deployment of bicycle and pedestrian counts at 55 locations as outlined by the MPO to build a repository of historic bicycle and pedestrian data and identify trends in walking and bicycling throughout the county. (8/2016 – 6/2017)  
*Reference: David Henderson, Miami-Dade Metropolitan Planning Organization, (305) 375-1647*

**Safe Routes to School Infrastructure Applications 2015 & 2016 | Miami-Dade MPO | Project Manager:** Ms. Fierman was responsible for the evaluation of ten schools selected by the Miami-Dade MPO for Safe Routes to School improvements. This evaluation included field visits, coordination with school administration, and outreach to stakeholder groups to get input on needed safety improvements. Ms. Fierman documented unsafe walking conditions and developed recommendations and cost estimates for improvements to infrastructure within each school's attendance boundary. She developed and submitted ten infrastructure applications to FDOT for funding based on the recommendations (2/2016-6/2016).  
*Reference: David Henderson, (305) 375-1647*

**SR 80 Corridor Action Plan - SR 80 from US 27 to I-95 | FDOT D4 | Pedestrian/Bicycle Complete Streets Technical Support:** As a sub consultant, responsible for assessing existing conditions, developing future alternatives for transit and freight and identifying recommendations to promote pedestrian and bike use and increase safety along a 45 mile SIS corridor in Palm Beach County. Responsible for pedestrian, bicycle, transit and freight components of the study, which take into consideration the unique character of the corridor which traverses almost the entire county connecting the economically disadvantaged Glades area to employment opportunities, and connecting the seaport in the East to the agricultural areas to the West (9/2015-Present).  
*Reference: Miguel Vargas, (954) 777-4347; Jessica Josselyn, Kittelson & Associates, (954) 828-1730*

**SW 10th Street Consensus Building Livability Planning | Broward County, FL | Broward MPO | Public Outreach Coordinator** A community outreach effort to bring together regional and adjacent community groups to concur and collaborate on a transportation project that has been delayed for decades because of community concerns. The project includes the development of a project brand, website and collateral material and many, many local meetings to inform the public and to get them to understand that there are opportunities that are passing them by and that the status quo is not helping anyone. Project includes development of a logo and tag line, designated phone line for questions from general public, elected official one-on-ones and other outreach techniques (2/2015-Present).

*Reference: Paul Calvaresi, (954) 876-0033*

**Complete Streets Implementation Plan | FDOT District 4 Office of Modal Development (OMD) | Complete Streets Coordinator:** Ms. Fierman represented FDOT District 4 on the statewide committee to develop the FDOT Complete Streets Implementation Plan, which was published in December of 2015. This effort was a comprehensive evaluation of FDOT policies and practices with the goal of developing a framework for integrating a Complete Streets approach into FDOT's practices (2014-2015).

**FDOT Complete Streets Policy | FDOT District 4 Office of Modal Development (OMD) Complete Streets Coordinator:** Ms. Fierman was responsible for coordinating the District 4 review of the FDOT Complete Streets Policy, which was adopted in 2014. For Alert Today Alive Tomorrow Safety Campaign – Ms. Fierman participated in a statewide committee with Planners, Designers, Health Agencies, and Law Enforcement to develop strategies for addressing the bike and pedestrian safety problem in Florida. As Champion for District 4, Ms. Fierman reached across FDOT Divisions and Departments to assure that they understood the magnitude of the issue, the goals, and the objectives and their role in the FDOT Pedestrian/Bicycle Safety Plan, which is a data driven effort focused on addressing the issue aggressively. As a result of this effort, District 4 made improvements at 40 locations in Broward and Palm Beach Counties and hosted a series of safety events to raise awareness about bicycle and pedestrian safety (2013).

**Multi-Modal Scoping Forms | FDOT District 4 Office of Modal Development (OMD) | Complete Streets Coordinator:** Ms. Fierman produced the multi-modal scoping form, a vital tool for gathering comprehensive information about corridors and synthesizing it for project development. Coordinated with stakeholders inside and outside of FDOT to achieve Complete Streets goals. Contacted local officials to document planning, redevelopment, and zoning opportunities (2013-2015).

**Alert Today Alive Tomorrow Safety Campaign | FDOT District 4 Office of Modal Development (OMD) | FDOT Champion:** Ms. Fierman participated in a statewide committee with Planners, Designers, Health Agencies, and Law Enforcement to develop strategies for addressing the bike and pedestrian safety problem in Florida. As Champion for District 4, Ms. Fierman reached across FDOT Divisions and Departments to assure that they understood the magnitude of the issue, the goals, and the objectives and their role in the FDOT Pedestrian/Bicycle Safety Plan, which is a data driven effort focused on addressing the issue aggressively. As a result of this effort, District 4 made improvements at 40 locations in Broward and Palm Beach Counties and hosted a series of safety events to raise awareness about bicycle and pedestrian safety (2013-2015).

## **FDOT DISTRICT 6 | 7/2012-07/2013**

### **Maintenance Management Systems Administrator:**

- Developed budget for maintenance
- Managed the District Maintenance Management Program
- Data collection and planning for future maintenance projects to keep infrastructure up to standards
- Coordination with Planning office for data collection and mapping
- Worked with other FDOT offices to provide data needed for projects, citizen complaints, and other needs

## **FDOT DISTRICT 6 | 11/2007-7/2012**

### **District Statistics Administrator:**

- Managed the District Statistics Office including responsibilities for Roadway Characteristics Inventory, Annual Traffic Count Program, and GIS data mapping. Management of 3-6 contracts at a time totaling up to \$1.5M each.





**Years of Experience: 9**

#### AREAS OF EXPERTISE

Strategic Planning

#### EDUCATION

MA Urban and Regional Planning, FAU, 2013

BA Anthropology/Sociology & History, FIU, 2008

AA Mass Communications/Journalism, Miami-Dade College, 2005

#### CERTIFICATION

Ride Leader Certification  
Everglades Bicycle Club, 2016

#### WORK HISTORY

Marlin Engineering, Inc.  
4/2016-Present

The Street Plans Collaborative  
2014-2016

Green Mobility Network  
2014-2016

Millennial Planning & Development  
2013-2014

Zoo Miami Foundation  
2011-2013

Florida Atlantic University  
2011-2013

United States Census Bureau  
2010

HandOn Miami  
2008-2010

## Eric R. Katz, MURP

Planner/Community Outreach

Eric is experienced in developing sensible transportation strategies that meet the needs of all transport users, and consider environmental, safety, fiscal, and land-use factors. Eric studies, analyzes, evaluates existing and proposed structures, and determines areas of need and improvement for various transportation mediums, including highways, subways as well as street cars. Analytical person by nature he also designs transportation surveys, makes use of statistical data to assess travel patterns, and evaluates efficiency of each system.

Eric has strong communications skills which allow him deliver clear and informative reports illustrating both analytical data and improvement recommendations. Additionally, his excellent writing skills helped him secure many grants and improve quality of life for the local community.

#### **Safe Routes to School 2016 & 2015 Applications | Miami-Dade MPO | Outreach / Data**

**Collection:** This project was focused on the evaluation of ten schools selected by the Miami-Dade MPO for Safe Routes to School improvements. This evaluation included field visits, coordination with school administration, and outreach to stakeholder groups to get input on needed safety improvements. Scope of work included documentation of unsafe walking conditions, developing recommendations, and cost estimates for improvements to infrastructure within each school's attendance boundary. Marlin produced and submitted ten infrastructure applications to FDOT for funding based on the recommendations (8/2016-4/2017).

*Reference: David Henderson, Miami-Dade Metropolitan Planning Organization, (305) 375-1647*

#### **Rail-Grade Separation Study| Martin County MPO | GIS / Data Collection:**

The scope of this project is to develop recommendations for grade separation crossings along the FEC corridor within Martin County. The 28 crossings are being evaluated based on a series of metrics including safety, right-of-way, adjacent land-use, traffic patterns, bicycle and pedestrian activity, and emergency services among others. The final report will provide recommendations for 2 Multi-Modal crossings and 2 pedestrian crossings (10/2016-7/2016).

*Reference: Alice Bojanowski, Martin County Metropolitan Planning Organization, (772) 320-3015*

#### **Traffic Calming Study | Town of Cutler Bay | GIS / Graphics / Outreach:**

Traffic calming is a system of design and management strategies that aim to balance traffic on streets with other uses. The purpose and goal of the study is to identify particular locations which present speeding/traffic volume problems, determine whether and where traffic calming measures are needed and if so to develop suggestions as to what type of traffic calming measures are recommended for that particular street location in order to reduce any identified speeding and/or traffic volume problem for that particular street (6/2016-12/2016).

*Reference: Alfredo Quintero, Town of Cutler Bay, (305) 234-4262*

#### **Non-Motorized Data Collection Study | FDOT Central Office | Data Collection / Outreach:**

Marlin Engineering Inc. and CDM Smith are contracted by FDOT Central Office to research and develop a process for the Department to collect pedestrian and bicycle data. Marlin has identified technologies to test and will be deploying them in Miami-Dade, Broward and Palm Beach based on a matrix of context zones including rural, suburban, urban environments. The technologies include: Pneumatic hoses, Infrared, Mio-vision cameras, and Bluetooth detectors. The Final Report will provide recommendations regarding which technologies are best to utilize depending on the built environment context (9/2016-4/2017).



**US-1 from I-95 to SW 152 St Corridor Study | Kittelson & Associates | Data Collection and Analysis:** FDOT is conducting a corridor study along US 1 from Vizcaya Metrorail Station to SW 152 St Park & Ride Lot. The corridor study will analyze existing conditions, identify recurring congestion locations; and evaluate multi-modal transportation improvement needs based on future travel demand. In addition, the study will identify conceptual improvements for congested locations along the US 1 corridor and provide recommendations for subsequent detailed studies (6/2016-2/2018)

*Reference: Jessica Josselyn, Kittelson & Associates, (954) 828-1730*

**Protected Bike Lanes Master Plan | Miami-Dade MPO | Data Collection and Analysis:** Safety and convenience are major factors in a person's decision to use a bicycle for transportation. Marlin is leading the development of the Miami-Dade MPO Protected Bike Lanes Master Plan. Protected bike lanes (also known as separated bike lanes and cycle tracks) will create a county-wide low-stress bikeway network connecting existing bike facilities, population centers, employment areas, educational facilities, recreational facilities, other civic institutions to existing and planned transit facilities including the Strategic Miami Area Rapid Transit (SMART) Plan corridors. The study will identify two pilot projects for fast-track implementation (8/2016-5/2017)

*Reference: David Henderson, Miami-Dade Metropolitan Planning Organization, (305) 375-1647*

**Bike Friendly Miami-Dade Program | Miami-Dade MPO | Outreach / Data Collection:** Marlin is coordinating and preparing the applications for the Bicycle Friendly Community designation for Miami-Dade County from the League of American Bicyclists. In addition to preparing the application, primary tasks include identifying and assisting municipalities, businesses, and/or universities that also may be interested in obtaining a Bicycle Friendly designation. Finally, Marlin conducted bicycle and pedestrian counts as outlined by the MPO to build a repository of historic bicycle and pedestrian data and identify trends in walking and bicycling throughout the county (8/2016-6/2017).

*Reference: David Henderson, Miami-Dade Metropolitan Planning Organization, (305) 375-1647*

**SR 80 Corridor Action Plan - SR 80 from US 27 to I-95 | FDOT D4 | Pedestrian/Bicycle Complete Streets Planner:** As a sub consultant, responsible for assessing existing conditions, developing future alternatives for transit and freight and identifying recommendations to promote pedestrian and bike use and increase safety along a 45 mile SIS corridor in Palm Beach County. Responsible for pedestrian, bicycle, transit and freight components of the study, which take into consideration the unique character of the corridor which traverses almost the entire county connecting the economically disadvantaged Glades area to employment opportunities, and connecting the seaport in the East to the agricultural areas to the West (2016-Present)

*Reference: Miguel Vargas, (954) 777-4347 / Jessica Josselyn, Kittelson & Associates, (954) 828-1730*

**Safe Routes to School Infrastructure 2015 Applications | Miami-Dade MPO | GIS/Data Analyst:** This project was focused on the evaluation of ten schools selected by the Miami-Dade MPO for Safe Routes to School improvements. This evaluation included field visits, coordination with school administration, and outreach to stakeholder groups to get input on needed safety improvements. Scope of work included documentation of unsafe walking conditions, developing recommendations, and cost estimates for improvements to infrastructure within each school's attendance boundary. Marlin produced and submitted ten infrastructure applications to FDOT for funding based on the recommendations (4/2016-6/2016).

*Reference: David Henderson, Miami-Dade Metropolitan Planning Organization, (305) 375-1647*

**Statewide Seaport Origin/Destination Study | FDOT Central Office | Graphics/Data Analyst:** A statewide effort to deploy a pilot project focused on monitoring truck and cruise passenger activity to/from 8 of Florida's busiest seaports and monitoring travel patterns as they traverse the state and enter/exit the Stateline. Project included the deployment of 45 Bluetooth devices for 7 weeks at strategic locations at the border, on seaport access roads and at 4 screen lines across the state. Marlin managed the deployment of covering half of the state and was responsible for filtering and analyzing 25 million records of data collected into valuable planning information on trucking paths, travel times, speeds and directional distribution (2016).

*Reference: Thomas Hill, (850) 414-4924*



**Elias Diaz**  
Senior Designer

Years of Experience: **20**

#### AREAS OF EXPERTISE

Lighting & Signals Design  
Highway Design  
Roadway Design

#### EDUCATION

Miami Lakes Technical School,  
1997

#### WORK HISTORY

Marlin Engineering, Inc.  
4/2002-Present  
Senior Designer

Sanchez-Zenali & Associates  
3/2001-4/2002  
Architectural Designer

National Cleanrooms, Inc.  
1998-2001  
Engineering Designer

Mr. Diaz has more than 20 years of roadway design and plans production experience. His responsibilities include lighting and signals design and assisting in the overall roadway design plans preparation and signing and pavement markings. Mr. Diaz has performed as Assistant to the Project Engineer on Project Development & Environmental (PD&E) studies for FDOT. His background also includes over 9 years of Architectural design and construction experience.

#### **Hollywood Blvd. Complete Streets Project | FDOT District 4 | Signalization and Lighting**

**Designer:** Decorative signalization and lighting improvements along Hollywood Blvd from City Hall Circle to Dixie Highway. Production of plans for this Complete Streets Project which entails the reconstruction of Hollywood Blvd. into a multimodal street (2016-Ongoing).

Reference: Betsy Jeffers (954) 777-4061

#### **SR 710/Northlake Blvd. Minor Design Safety Improvements | FDOT District 4 | Lighting**

**Designer:** Lighting improvements at the intersection of SR 710/Northlake Blvd in Palm Beach County. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

#### **SR 834/Sample Road & SR 811/Dixie Highway Minor Design Safety Improvements | FDOT**

**District 4 | Signalization Designer:** Signalization improvement (mast arm upgrade) project at the intersection of SR 834/Sample Road and SR 811/Dixie Highway. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

#### **SR 7/US 441 and NW 29th Street Minor Design Safety Improvements | FDOT District 4 |**

**Signalization Designer:** Signalization improvement project at the intersection of SR 7/US 441 and NW 29th Street. Responsibilities include the production of this safety project and implementation of the safety report (2015).

Reference: Ron Wallace (954) 777-4641

#### **SR 710 – Warfield Blvd. | FDOT District 4 | Roadway Support and Signals Designer:**

Reconstruction of SR 710 replacing the existing two-lane roadway with a new four-lane divided roadway satisfying traffic demands, reducing congestion, enhancing mobility and safety and improving evacuation capacities (2012-Ongoing).

Reference: Julio Delgado (954) 777-4390

#### **SR 811 – Dixie Highway | FDOT District 4 | Roadway Support & Signals Designer:**

This project included resurfacing (RAP), upgrade of strain pole installations to mast arms, upgrade signalized intersections to video detection, upgrade signalization pedestrian features, elimination of sidewalk gaps, ADA improvements, upgrade TMS, bridge barrier walls retrofit, gravity walls, riprap, roadway lighting, drainage improvements, pavement overbuild and widening, sidewalk and curb/curb and gutter replacement/repair, guardrail upgrade/installation, stamped asphalt and signing and pavement markings on SR 811/Dixie Highway, from South of NE 26th Street (milepost 1.800) to South of McNab Road (milepost 5.400) in Broward County, Florida (2009-2012).

Reference: Bing Wang (954) 777-4406

**SR 997 – Krome Avenue from SW 8th Street to Kendall Drive | FDOT District 6 | Signalization/Lighting Designer:** This project maintains tasks that include final roadway design for the reconstruction project widening of a 5.564 mile corridor from a two to four lane divided roadway. Also included is the preparation of signing and pavement marking plans and signalization, estimates, electronic delivery and specification packages (2007-2014).

Reference: Adriana Manzanares (305) 470-5283

**Krome Avenue Post Design | FDOT District 6 | Designer:** Reconstruction from South of SW 88th Street (SR 94/Kendall Drive) to North of SW 8th Street (SR 90/Tamiami Trail) in Miami-Dade County, Florida (2009-Ongoing).

Reference: Adriana Manzanares (305) 470-5283

**SR 809 – Military Trail RRR Project | FDOT District 4 | Roadway Support & Signals Designer:** Milling and resurfacing project from SR 809/Lake Worth Road to S. of SR 80/Southern Blvd. This project included upgrades at signalized intersections (video detection, new pedestrian features to comply with ADA criteria), upgrades to safety features (pedestrian railing, and guardrail), upgrades to existing signage, drainage improvements and enhancement of bicycle and pedestrian accommodations. This project was located within the City of Greenacres, the Village of Palm Springs, and unincorporated Palm Beach County, Florida (2006-2010).

Reference: Alina Fernandez, P.E., (786) 845-9540

**Town of Miami Lakes | Engineering Designer:** This consisted of installing brick pavers and pavement marking in various locations within the Town of Miami Lakes. Those locations are gateways for the Town (2012).

Reference: Elia Nunez (305) 364-6100

**NW 67 Avenue & Perimeter Road | FDOT District 6 | Signals Designer:** Responsible for design, permitting, signing and pavement markings for the re-alignment and reconstruction of a major thoroughfare and intersection to Miami International Airports Cargo Area (2011).

Reference: Ricardo Solorzano (305) 876-7809

**SR 809 – Military Trail from Okeechobee Road to Oxford Street | FDOT District 4 | Signalization Designer:** Responsible for the design of signalization plans for this milling and resurfacing project. Improvements included pedestrian control upgrades, addition of internally illuminated signs and retrofit of existing loop assembly coordinated (2006-2010).

Reference: Alina Fernandez, P.E., (786) 845-9540

**Districtwide Minor Design - SR 7 - US 441 from Bailey Road to North of Boulevard of Champions | FDOT District 4 | Signalization Designer:** Milling and resurfacing project for District 4. Responsibilities included final signalization design for the milling and resurfacing of a 0.604 mile corridor. Also included the preparation of signing and pavement marking plans, estimates, electronic delivery, specification packages, Community Awareness Plan, and the Resurfacing, Restoration, and Rehabilitation Report (3R) (2006-2009).

Reference: John Thompson (954) 777-4680

**Districtwide Minor Design - SR 805 - Dixie Highway from South of Southern Blvd to SR 80 to North of Belvedere Road | FDOT District 4 | Signalization Designer:** Milling and resurfacing project for District 4. Responsibilities included the final signalization design for the milling and resurfacing of a 1.052 mile corridor. Also included the preparation of signing and pavement marking plans, estimates, electronic delivery, and specification packages (2006-2009).

Reference: Fernando Morales (954) 777-4687

**Districtwide Minor Design - SR 729 - State Market Road from SR 15 / US 441 to SR 15 / US 441 | FDOT District 4 | Signalization Designer:** Milling and resurfacing project for District 4. Responsibilities included preparation of the roadway plans, signing and pavement markings plans, and electronic delivery (2006-2009).

Reference: William Sonnett (954) 777-4474



**Years of Experience: 4**

## Raul Dominguez, PE

Project Engineer

Raul Dominguez has more than 5 years of experience in roadway design ranging from major reconstructions to minor intersection improvements along with bridge and overhead sign inspections in Miami-Dade, Broward and Palm Beach counties. Raul has worked on resurfacing, restoration and rehabilitation projects for FDOT District 4, providing coordination, field review, design and production support. He is experienced in TCP design and MOT implementation, cost estimates, signing and pavement marking, drainage, pavement design, lighting, signalization, utility coordination, ADA compliance, streetscape, complete streets and construction engineering inspections. In addition to design and inspection services, he has led FEMA Hazard Mitigation Grant Program Application efforts for localize drainage improvement projects.

### AREAS OF EXPERTISE

Highway Design  
Roadway Design

### EDUCATION

BS Civil Engineering  
Florida International University,  
2012

### AFFILIATIONS

American Society of Civil  
Engineers, Associated Member  
(A.M., ASCE)  
Chi Epsilon Civil Engineering  
Honor Society

### REGISTRATIONS

PE No. 82219  
Florida, 2016

### CERTIFICATIONS

Long Range Estimates (LRE)  
MOT

### WORK HISTORY

Marlin Engineering, Inc.  
1/2016-Present  
Project Engineer

Kimley-Horn & Associates, Inc.  
9/2013-1/2016  
Analyst

Marlin Engineering, Inc.  
3/2011-9/2013  
Designer /Asst. Bridge Inspector

### **Townwide Bicycle and Pedestrian Improvements | Town of Miami Lakes | In House Support/Project Engineering:**

Sidewalk and crosswalk improvements along each side of the existing typical section of four selected corridors in the Town of Miami Lakes. The sidewalk improvements will be in accordance with ADA requirements. Since this is a LAP approved project, MARLIN will coordinate with FDOT on the development of the NEPA documentation required for this project. (2017-Ongoing)

Reference: Carmen Olazabal, (305) 364-6100

### **Districtwide Minor Design | FDOT District 4 | In House Support/Project Engineering:**

Providing in house design support to the Florida Department of Transportation, District Four providing technical expertise in roadway design and plans production. Serving as an extension of District Four staff providing project management support addressing miscellaneous issues including utility coordination, maintenance of traffic, signing and pavement marking and signalization. (2016-Ongoing).

Reference: Betsy Jeffers, (954) 777-4061

### **SR 997 (Krome Avenue) from South of SW 296 St. to South of SW 232 St | FDOT District 6 |**

**Design Engineer:** Preparation of roadway plans and responsible for the signing & pavement marking plans for this project. Included modification of the existing typical section from a rural two lane road into a four lane divided road. The primary objective of this project was Safety, as the corridor has been in the High Crash List for 14 years in a row. The secondary objective was to improve capacity and correct existing design deficiencies (2015-2016).

Reference: Adriana Manzanares (305) 470-5283

### **SR A1A RRR Design from East of Mercedes River Small Bridge to Sunrise Boulevard | FDOT District 4 | Design Engineer:**

Responsible for the milling and resurfacing of SR A1A from the bridge over the Mercedes River to Sunrise Boulevard. Designated as a Florida Scenic Highway, this segment of SR A1A is also nationally and internationally renowned as the Fort Lauderdale Beach Strip. This project included four different typical sections for SR A1A. A number of deficiencies were identified during field review, including unsafe pedestrian movements, cracked sidewalks, substandard bridge pedestrian aluminum rails and abandoned, blocked-off driveway cuts. Used a holistic approach to ensure connectivity of the different modes of transportation including bicycle storage facilities and special signing to achieve a successful design within FDOT guidelines. Work included drainage repair, sidewalk modifications to meet ADA criteria, signing and pavement markings, traffic control plans, lighting evaluation and local agency coordination (2014-2015).

Reference: Aaron Canales, (954) 777-4474

# MARLIN

**Wiles Road Design from Rock Island Road to US 441 (SR 7) | Broward County | Design Engineer:** Responsible for preparing complete contract plans for the reconstruction and widening of Wiles Road, a six lane divided urban arterial. Broward County and FDOT share the cost of improvements which include drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination and detailed traffic control plans (2013-2015).

*Reference: Michael Hammond, (954) 577-4558*

**All Electronic Tolling (AET) 5B, Sawgrass Expressway Design-Build | Florida Turnpike Enterprise | Design Engineer:** Responsible for the development of the thermoplastic pavement marking component for this AET conversion project along 20 miles of the Sawgrass Expressway from I-595 to Florida's Turnpike in Broward County. Scope of project also included development of an overall master signing plan, design of all ITS components, design of all sign structures, and design of all overhead spans, cantilever sign structures, and toll gantries (2015).

**Intersection Improvements On-Call Contract | Palm Beach County | Design Engineer:** Responsible for providing intersection improvements across Palm Beach County. Provided professional services for the following projects: Australian Avenue at 13th Street; Blue Heron Boulevard at Australian Avenue; Southern Boulevard at Lyons Road; Military Trail at Forest Hill; Lake Worth Road at Palm Beach State College; Atlantic Avenue at Florida's Turnpike; Acme Dairy at Boynton Beach Blvd; and Military Trail at Gateway Boulevard (2013-2015).

**I-95 Master Plan for 17 Interchanges from Linton Blvd. to Northlake Blvd. | FDOT District 4 | Design Engineer:** Responsible for the identification of 17 interchange improvement projects (from south of Linton Boulevard to north of Northlake Boulevard) that could move into the design phase in FY 2013/14 and FY 2014/2015. Followed a methodology that proposed a two-tier approach to identify and prioritize those interchanges that could advance quickly and have conceptual improvement plans completed by July 1, 2013; the remaining interchange studies were completed February 2015 and documented in an Interchange Master Plan (IMP) (2013-2014).

**Lake Worth Turn Lane at the Florida's Turnpike | Florida Turnpike Enterprise | Design Engineer:** Roadway design project for a new westbound right turn lane at the entrance to the Florida's Turnpike northbound entrance at the Florida's Turnpike. Work included roadway design, drainage design, utility coordination, traffic control, signing and pavement markings, signalization and required coordination with FDOT District 4 (2013-2014).

**Federal Highway (US-1) Interim and Final Enhancements | Delray Beach CRA | Design Engineer:** Responsible for providing roadway design, water main design, relocation of piping for new drainage facilities, and design of water main crossings for a multi-phased project which includes two miles of the US-1/Federal Highway one-way pair in each direction in Delray Beach. The City and CRA adopted the Downtown Delray Beach Master Plan, which has, as one of its key elements, a reconfiguration of the two one-way segments of US-1 from three lanes to two lanes (2013-2014).

*Reference: Tim Tack, (561) 276-8640*

**SR 710 – Warfield Blvd from FPL Martin Power Plant Road to CR 609/ Allapattah Road | FDOT District 4 | Designer:** This project is a major reconstruction project. Responsibilities included the final roadway design such as establishment of typical section, roadway horizontal and vertical geometry, engineering report, drainage analysis and report, production of roadway and drainage plans, development of engineering estimate and specifications (2013).

**SR 997 – Krome Avenue from SW 8th Street to Kendall Drive | FDOT District 6 | Project Engineer:** Final roadway design for the reconstruction project widening of a 5.564 mile corridor from two to four lanes divided roadway. Responsibilities included the preparation of signing & pavement marking plans, traffic control plans, estimate and electronic delivery (2012-2013).



## John Blankenship

Senior Designer

Years of Experience: **28**

### AREAS OF EXPERTISE

AutoCAD  
Inroads  
Civil Design LDD & 3D  
MicroStation

### EDUCATION

Associates Degree in Computer  
Design & Arts / Applications  
Coastal Training Institute,  
Montgomery, AL

### WORK HISTORY

Marlin Engineering, Inc.  
2/2017-Present  
Senior Designer

Parsons  
4/2000-3/2004; 10/2013 -1/2017

The Have A Nice Day Company  
2010-2016

AECOM  
3/2006-6/2009

Worley Parsons/Parson E & C  
3/2004-3/2006

Parson Brinkerhoff  
9/1998-4/2000

Friedrich and Associates  
10/1990-9/1998

### LOCATIONS

Fort Lauderdale, FL

Mr. Blankenship has more than 28 years in engineering design (Civil, Roadway, Transit, Site, Structural and Utility), business development, programming, proposal and graphic artist. Using technical programs such as AutoCAD to MicroStation, Paint to Adobe Illustrator, his computer skills branch out to becoming a great asset to any team. Mr. Blankenship's leadership and management skills have placed his ability to do the assigned job first and focusing on the education on those in his team above most other management leaders. He has made a career out of giving his all to do one thing, 'Provide excellent service to make sure the job is done with quality service and under budget', with his goal to exceed clients' needs and expectations with an excellent client relationship.

**SR-15A Plans Update | FDOT | Senior Roadway Designer:** This project involved the preliminary and final designs of cast-in-place, reinforced concrete gravity and cantilever retaining walls for 2.2 miles of an urban arterial.

**SR-429 PD&E Study (FL) | FDOT | Senior Designer:** Evaluation of a FDOT Project Development and Environment Study for a new alignment of tolled roadway previously evaluated as an at-grade arterial roadway. The nine-mile corridor included industrial, agricultural, and rural residential areas; seven new interchanges with systems interchange of SR 429 and SR 414; ramps; and mainline toll plazas.

**I-275 Traffic Control | FDOT | Maintenance of Traffic Designer:** Traffic control for redesign and maintenance of I-275 Tampa, FL.

**SR-500 (US192) Post Design | FDOT | Supervising Roadway Designer:** Roadway design for SR-500 (US192) as built updates to existing plans. The project involved widening several miles of US 192 from Michigan Avenue to Florida's Turnpike in Osceola County.

**Bayshore Blvd. / SR-60 Final Designs | FDOT | Civil Senior Designer Roadway:** Traffic analyses, development of alternatives, and final design of the intersection reconfiguration with the existing right-of-way. The work included signalization and geometric modifications to the existing intersection.

**CR 484; From SE 4th to SR 500 | FDOT | Civil Senior Designer Roadway:** Final design of 2.8 miles of an arterial roadway to Florida Department of Transportation standards. It also included a bridge over the CSX railroad, drainage, permitting, utility coordination, and public involvement. This section was a new alignment through a rural area.

**SR-60A Plans Update | FDOT | Civil Senior Designer Roadway:** Final design for the reconstruction of a segment of SR 60A from a two-lane facility to a four-lane typical with a 22-foot raised median in Polk County. The project work entailed a bridge over Polk Street and the CSX railroad with retaining walls. Additional tasks included surveying right-of-way plans, drainage design, permitting, signing and marking plans, and signal and traffic control plans.

**US 92 Pedestrian Overpass Bridge | FDOT | Senior Designer:** This design-build project involved providing final designs for a pedestrian bridge over US 92 in Daytona Beach for access to the Daytona Speedway. The project involved coordination with FDOT and aesthetic enhancements due to the bridge's high visibility to pedestrians and users of the Daytona Speedway. The project won awards from the American Public Works Association (APWA) and the Association of Builders and Contractors (ABC). The design work was completed within an accelerated nine-month construction schedule.

**SR-15A Plans Update | FDOT | Civil Senior Designer Roadway:** Final roadway design for 1.8 miles of an urban arterial in Deland, Florida. A four-lane typical with a 14-foot bidirectional median was incorporated. The project involved survey, drainage design, permitting, signals, signing/marketing, and final right-of-way plans. The proposed water retention areas were set back from the roadway and landscaped. This section of road is also known as the Deland Truck Route. Several cantilevers retaining walls were designed as part of the project to minimize right-of-way impacts.

**Palm Bay Beltway PD&E Study | FDOT | Civil Senior Designer:** Completed the project development and environmental (PDE) study for a new 8-mile roadway facility west of the cities of Palm Bay and Melbourne, in Brevard County, Florida. Project efforts included preliminary engineering, environmental analyses, and documentation for the environmental impact statement.

**Interchange Exit No. Conversion (ORL) | FDOT | Senior Designer:** The key elements of the project included the design of plans for each Florida Department of Transportation district, coordination of construction schedules to ensure that the manufacture of signs for the projects was not a constraint, development of a sign inventory database, and a comprehensive. Signing and marking design.

**Rail to Trail (GA) | The Unified Government of Athens-Clarke County (GA)| Senior Designer:** Proposal to Athens-Clarke County for a transformation of historic rail line and bridge to be converted to a pedestrian walkway and bike trail.

**Riverside Parkway (GA) | City of Roswell | Civil Senior Designer:** Roadway improvements of Riverside Parkway including travel, bike lanes and a round-a-bout. Roadway improvements of Riverside Parkway including travel, bike lanes and a round-a-bout.

**Westwood Connector (FL) | Orange County Public Works | Senior Designer:** Preparation of the final design for approach roadways and a bridge over SR 528 connecting Westwood Boulevard with the convention center. It also included widening the loop road and modifying the convention center parking area in conjunction with the west entrance upgrade.

**Western Beltway-Part C Final Design (FL)| Orlando Orange County Expressway Authority | Civil Senior Designer MOT:** Parsons completed the final design of the Western Beltway Part C, which involved five miles of limited access expressway in Southwestern Orange County and four miles of frontage roads. The project began south of County Road (CR) 535 and extended to north of Reaves Road. There were diamond interchanges at CR 535 and McKinney Road and four side bridges. Parsons was responsible for roadway, drainage, permitting, maintenance-of-traffic, utilities, and the structural design. One mainline toll plaza and two ramp toll plazas were also included in the project.

**SR-408 Widening - Contract 252A | Orlando Orange County Expressway Authority | Senior Designer - 2001 - 2003**  
Provide final design services for six lanes of the East-West Expressway from Tampa Avenue to I-4 in Orlando, Florida. The project traversed an ethnically and economically diverse area and included extensive aesthetic enhancements to the existing bridge structures and roadway. Roadway Design for SR-408, Maintenance of Traffic, and Public Meeting.

**Econlockhatchee Trail (SR50-Trevarthon) (FL) | Orange County | Civil Designer MOT:** Preparation of the preliminary and final designs for the one-mile reconstruction of Econlockhatchee Trail from SR 50 to Trevarthon Road. The project entailed realigning sub-standard curves, evaluation of an existing bridge structure, and construction of a new bridge over the Little Econlockhatchee River Tributary. The bridge clearance was set to accommodate bike and equestrian trails. The project work involved roadway, drainage, permitting, signing, signals, and structural design. Two public workshops and a public hearing were held to get community input on alignment options and to select the preferred alignment.

**Disney Facility Enhancements | Walt Disney World Co. | Civil CAD Designer:** The project involved security enhancements, including re-design of service entrance roads to each park and new construction of an access road to a material receiving building, interior distribution roads, and a receiving building.

**The Wave Modern Streetcar Project | SFTRA FDOT Broward County | Technical Coordinator & Design:** Vital role of technical coordinator and lead technician including staffing, roadway project setup, rail, roadway, maintenance of traffic, systems design, utility coordination, file management, data collection and quality assurance. Attended key meeting providing input, hosted in field tours of the project layout to key team members. Field survey work and promotion of project visualization.





Years of Experience: **11**

#### AREAS OF EXPERTISE

Traffic Engineering  
Transportation Planning

#### EDUCATION

BS Industrial Engineering  
Jose Antonio Echeverria  
University (CUJAE), 2005

#### REGISTRATION

Engineering Intern (EI)

#### CERTIFICATIONS

Global Logistics Associates,  
GLA, American Society of  
Transportation and Logistics

#### WORK HISTORY

Marlin Engineering, Inc.  
4/2015-Present  
Traffic Analyst

Copextel Co., Inc.  
11/2009-4/2015  
Specialist

Caribex Inc.  
9/2005-11/2009  
Market Analyst

## Abel Espino Martinez, EI, GLA

Traffic Analyst

Abel has more than 6 years of experience. As a Traffic Analyst, he completes the data analysis, field review, recommendations and final report for the different Traffic Study Types, including but not limited to: Safety Studies on arterials and Intersections, Signal and Left turn warrant analysis, Traffic Calming Studies. He has also performed Pavement Assessment along with Maintenance & Rehabilitation Activities scheduling.

He is responsible for developing and organizing traffic data collection studies such as: turning movement counts, pedestrian group counts, spot speed studies, approach counts, gap, travel time and delay. He regularly analyzes data and results. Abel also performs quality control analysis and generates data graphs and reports using Jamar Technologies Software. He performs Traffic Simulations on Intersections and Corridors using Synchro software and put together data sets and maps using GIS platform.

**Traffic Calming Study | Miami Shores Village | Traffic Analyst:** The purpose and goal of the project was to perform a comprehensive study for traffic calming alternatives for the entire Village. The scope of the study involved public meetings with the residents, traffic data collection, field review, data analysis, final recommendations and prioritization of works. MARLIN also assists the Town in coordinating with Miami-Dade County's Public Work Department to obtain approval of recommendations. (2016-Ongoing).

*Reference: Tom Benton, (305) 762-4851*

**Traffic Calming Study | Village of Palmetto Bay | Traffic Analyst:** The purpose and goal of the project was to perform a comprehensive study for traffic calming alternatives for the Village of Palmetto Bay. The scope of the study involved public meetings with the residents, traffic data collection, field review, data analysis, final recommendations and prioritization of works. MARLIN also assists the Town in coordinating with Miami-Dade County's Public Work Department to obtain approval of recommendations. (2016-Ongoing).

*Reference: Corrice E. Patterson, (305) 969-5011*

**Traffic Calming Study | Town of Cutler Bay | Traffic Analyst:** The purpose and goal of the project was to perform a comprehensive study for traffic calming alternatives for the entire Town. The scope of the study involved public meetings with the residents, traffic data collection, field review, data analysis, final recommendations and prioritization of works. MARLIN also assists the Town in coordinating with Miami-Dade County's Public Work Department to obtain approval of recommendations. (2016-Ongoing).

*Reference: Alfredo Quintero, (305) 234-4262*

**Traffic Operation and Mobility Study | Town of Miami Lakes | Traffic Analyst:** Provides the Town with professional traffic engineering services for the assessment of traffic operations and development of conceptual recommendations for safety/traffic calming improvements, as well as, performing a feasibility study for the relocation of a community guard gate.(2016).

*Reference: Eugene Collings-Bonfill, (305) 593-6617*

**Citywide Pavement Management Program | City of Doral | Traffic Analyst:** Provides the City with professional engineering services to conduct a Pavement Condition Survey (PCS) and perform a Pavement Evaluation of all City owned roads based on the results of the PCS and field observations. The scope of services also included develop a Five-year Maintenance and Rehabilitation Plan to assist the City in scheduling of work and budget. (2015-2016).

*Reference: Eugene Collings-Bonfill, (305) 593-6617*

# MARLIN



**Districtwide Traffic Operations Safety Studies | FDOT District 6 | Traffic Analyst:** The purpose of this contract is to provide the Department with professional traffic engineering services through the development of various traffic operations and safety studies that will be identified for intersections, arterials, and related improvement recommendations and evaluations. This includes five basic types of safety and traffic operations studies such as: qualitative assessments, signal warrant analysis, intersection analysis, arterial analysis, left turn phase warrant analysis, composite studies, and other traffic engineering related studies, fatal crash reviews, and speed zone studies (2015-Ongoing).

*Reference: Miguel Caldera, (305) 470-5335*

**General Planning Consultant | FDOT District 4 | Traffic Analyst:** This is an on-call services consultant contract for District 4. Assignments include project traffic forecasts (travel demand), model support, DRI review, PD&E review, IMR/IJR review, GIS support, and miscellaneous on-site planning support services (2015-Ongoing).

*Reference: Chon Wong, (954) 777-4659*

**General Engineering Contract | South Florida Regional Transportation Authority (SFRTA) | Traffic Analyst:** As a sub under a General Engineering Contract, Marlin Engineering acts as an extension of SFRTA and provides operational oversight, project management, planning, engineering support, technical services and maintenance monitoring support activities for the South Florida Rail Corridor (2015-Ongoing).

*Reference: Daniel R. Mazza, (954) 788-7951*

**Districtwide Traffic Operations and Safety Studies Contract | FDOT District 6 | Traffic Analyst:** Provides the Department with professional traffic engineering services through the development of various traffic operations and safety studies for intersections, arterials, and related improvement recommendations and evaluations. Contract includes the development of basic types of safety and traffic operations studies plus composite studies, including, Qualitative Assessments, Signal Warrant Analysis, Intersection Analysis, Arterial Analysis, Left Turn Phase Warrant Analysis, Fatal Crash Reviews, Speed Zone Studies and Technical Memos (2015-Ongoing).

*Reference: Ivette Funtanellas, (305) 470-5311; Vivek Reddy, (305) 704-6440*

**Statewide Seaport Origin/Destination Freight/Cruise Movement Study | FDOT Central Office Engineering Technician:** Served an instrumental part in the deployment and data collection of forty-five (45) Bluetooth receivers in support of the project. Performed daily maintenance checks to ensure that receivers were operating properly. Performed classification counts utilizing Mio-Vision cameras and assisted in the development of calibration factors for all port locations. Assisted in the filtering of millions of records of data to help identify truck and cruise traffic routes from I-95, I-75 and I-10 to each of the seaports and the five (5) most utilized routes across the state and from seaport to seaport (2015-2016).

*Reference: Thomas Hill, (850) 414-4924*

**Pedestrian Study on SW 107th Ave. from Kendall Dr. South to SW 9100 Block | FDOT District 6 | Engineering Technician:** Provides FDOT with professional traffic engineering services through the development of various pedestrian traffic operations and safety improvements. This location is ranked in the top 15 high crash locations for pedestrian crashes. These study limits were identified by the FDOT Safety Office to identify unique safety solutions for pedestrian crashes. Tasks included data collection for vehicle and pedestrians, review of crash data and analysis, field inventory and review, development and evaluation of improvements. Suggested improvements included a detectable pedestrian warning system at the intersection crosswalks, along with a pedestrian activated High-Intensity Activated crossWalk beacon (HAWK) for pedestrians to cross at mid-block location.

*Reference: Miguel Caldera, (305) 470-5335*



## Djemcy Limage

Traffic Analyst

Mr. Limage has more than 2 years of experience as a Traffic Analyst. In that role he has performed traffic operations and safety analysis studies, field reviews, level of service analysis, crash analysis, traffic data collection, traffic impact analysis, and developed and evaluated intersection and arterial alternative recommendations. He is proficient in MicroStation, SYNCHRO, CORSIM and Highway Capacity Software (HCM).

**Years of Experience: 2**

### AREAS OF EXPERTISE

Traffic Engineering  
Transportation Planning  
Traffic Data Collection

### EDUCATION

BS Civil Engineering  
Florida International University  
2014

### WORK HISTORY

Marlin Engineering, Inc.  
8/2014-Present  
Traffic Analyst

Florida Department of  
Transportation District 6  
6/2014-8/2014  
Traffic Engineering Intern

Engineering and Computing  
Florida International University  
3/2014-12/2014

Research Assistant at Lehman  
Center Transportation Research

Florida International University  
Green Library Services  
9/2011-1/2014  
Library Assistant

**Resurfacing Master Plan Update | City of Doral | Traffic Analyst:** Doral occupies a land area of approximately 15 square miles and maintains more than 57 miles of existing roadway network. The ultimate objective of this project was to update the Pavement Evaluation 2011 & Five-Year Maintenance and Rehabilitation Report, January 2012. This is achieved by performing a survey of all City owned roads, determining roadway conditions using PCI rating, and identifying a future five-year pavement maintenance and rehabilitation (M&R) plan for the City of Doral. These objectives were accomplished through a series of systematic procedures which included: Pavement Inventory, Data Collection, Pavement Condition Rating, Pavement Future Performance, Prioritization of Repair & Rehabilitation, M&R Projects (12/2015-4/2016).

**Icon Biscayne Traffic Impact Analysis | Tower One LLC/Related Group | Traffic Analyst:** This project covered all 3 phases of the Icon Biscayne development in the city of Miami, Florida. The proposed property consisted of 3 "High Rise Residential Condominium" land use, with retail spaces at ground level. The scope of work included traffic study, data collection, existing condition analysis, trip generation analyses, trip distribution and assignment, background traffic, future traffic analysis, roadway network, recommended improvements, traffic circulation/access plan, queue analysis, and maneuverability analysis (9/2015-12/2015).

*Reference: JP Perez, (305) 533-0093*

**Statewide Seaport Origin/Destination Freight/Cruise Movement Study | FDOT Central Office Traffic Data Collection Specialist:** Served an instrumental part in the deployment and data collection of forty-five (45) Bluetooth receivers in support of the project. Performed daily maintenance checks to ensure that receivers were operating properly. Performed classification counts utilizing Mio-Vision cameras and assisted in the development of calibration factors for all port locations. Assisted in the filtering of millions of records of data to help identify truck and cruise traffic routes from I-95, I-75 and I-10 to each of the seaports and the five (5) most utilized routes across the state and from seaport to seaport (2015-2016).

*Reference: Thomas Hill, (850) 414-4924*

**SW 8th Street / SW 87th Avenue PD&E | FDOT District 6 | Traffic Analyst:** Mr. Limage assists the project engineer in charge with developing traffic projections, Average Daily Traffic (ADT), and Design Hour Volume (DHV). He also assists in the design traffic projections development, which are used to establish the basic design requirements for roadway typical sections, and intersection design. He assists in the analysis of crash data of the corridor and the arterial safety analysis (2015-Ongoing).

*Reference: Bill Evans, Stanley Consultants, (561) 584-8708 / Maria Perdomo, FDOT D6, (305) 640-7186*

**Districtwide Traffic Operations Safety Studies | FDOT District 6 | Traffic Analyst:** Providing FDOT with traffic engineering services through the development of various traffic operations and

safety studies that will be identified for intersections, arterials, and related improvement recommendations and evaluations. This includes five basic types of safety and traffic operations studies such as: qualitative assessments, signal warrant analysis, intersection analysis, arterial analysis, left turn phase warrant analysis, composite studies, and other traffic engineering related studies, fatal crash reviews, and speed zone studies. (Ongoing).

*Reference: Miguel Caldera, (305) 470-5335*

**General Planning Consultant | FDOT District 4 | Traffic Analyst:** On-call services consultant contract. Assignments included project traffic forecasts (travel demand), FSUTMS model support, DRI review, PD&E review, IMR/IJR review, GIS support, and miscellaneous on-site planning support services (2014-Ongoing).

*Reference: Chon Wong, (954) 777-4659*

**Districtwide Traffic Operations and Safety Studies | FDOT District 6 | Traffic Analyst:** Development of various traffic operations and safety studies for intersections, arterials, and related improvement recommendations and evaluations. Includes the development of basic types of safety and traffic operations studies plus composite studies, including, Signal Warrant Analysis, Qualitative Assessments, Intersection Analysis, Arterial Analysis, Left Turn Phase Warrant Analysis, Fatal Crash Reviews, Speed Zone Studies and Technical Memos (2015-Ongoing).

*Reference: Ivette Funtanellas (305) 470-5311; Vivek Reddy (305) 704-6440*

**Pedestrian Study on SW 107th Avenue from Kendall Drive South to SW 9100 Block | FDOT District 6 | Traffic Analyst:** Provides FDOT with Professional Traffic Engineering Services through the development of various pedestrian traffic operations and safety improvements. This location is ranked in the top 15 high crash locations for pedestrian crashes. These study limits were identified by the FDOT Safety Office to identify unique safety solutions for pedestrian crashes. Task included data collection for vehicle and pedestrians, review of crash data and analysis, field inventory and review, development and evaluation of improvements. Suggested improvements included a detectable pedestrian warning system at the intersection crosswalks, along with a pedestrian activated High-Intensity Activated crossWalk beacon (HAWK) for pedestrians to cross at mid-block location (2015-Ongoing).

*Reference: Miguel Caldera, (305) 470-5335*

**Paraiso Development Traffic Impact Analysis | Thirty First Property Owner LLC/The Related Group | Traffic Analyst:** A single phase development consisting of 276 condominium units and 2,900 SF of commercial/retail space. As part of a preliminary study of the existing conditions, traffic data is being collected on the defined intersections within the project study area. The traffic volume data includes four-hour intersection turning movement volumes, during the AM and PM peak hours. This includes turning movement counts, 24-hour bi-directional machine counts and segment traffic volumes (Ongoing).

*Reference: Jon Paul Perez, (305) 460-9900*

**Beach Trip Generation Rates | FDOT District 4 | Traffic Analyst:** For this project, collected 24-Hour ADT Bi-Directional Counts, parking counts, vehicle occupancy data counts (1 to 5 persons) of incoming vehicles and beach occupancy counts at three (3) separate beach location; Crandon Park Beach (Miami-Dade County), Dania Beach (Broward County) and Lake Worth Beach (Palm Beach County) on a typical weekday and a Saturday (2013-2014).

*Reference: Chon Wong, (954) 777-4659*

**Downtown Redevelopment Traffic Impact Analysis | Village of Palmetto Bay | Traffic Analyst:** Analyzed and evaluated the impacts of the downtown Palmetto Bay street closures on the surrounding roadway network and intersections based on a new design planned for the Downtown Redevelopment Task Force (DRTF) preliminary project area, which consists of 6,000 new residential units and 400,000 new square feet of commercial development. The traffic study includes road closures, proposed traffic circles and traffic counts. (Ongoing).

*Reference: Ron Williams, (305) 259-1234*



**Years of Experience: 8**

#### AREAS OF EXPERTISE

Traffic Engineering  
Transportation Planning

#### EDUCATION

BS Civil Engineering  
Instituto Nacional de Ciencias  
Exactas, 2012

#### CERTIFICATIONS

FASC Intermediate FDOT Work  
Zone Traffic Control, 2014  
IMSA Traffic Signal Technician  
Level 1, 1/2015-1/2018

#### WORK HISTORY

Marlin Engineering, Inc.  
9/2015-Present  
Engineering Technician  
Advanced Transportation  
Engineering Consultants (ATEC)  
4/2013-6/2015  
Graphic Designer  
Advanced Transportation  
Engineering Consultants (ATEC)  
3/2012-4/2013  
Data Collection Technician  
Pantaleon Construction  
3/2008-1/2012  
Field Supervisor

## Harold Pantaleon

Senior Engineering Technician

Harold has more than 8 years of experience in traffic engineering, transportation planning and construction supervision. He is responsible for developing and organizing traffic data collection studies such as: turning movement counts, pedestrian group counts, spot speed studies, approach counts, gap, travel time and delay. He regularly compiles, processes and analyzes data and results; performed quality control analysis; generates data graphs and reports using Jamar Technologies Software; conducts maintenance and calibration of data collection equipment and vehicles; and collaborates with engineers assisting in field work such as: field reviews, collecting project information and on-site pictures, and surveying.

#### Statewide Vehicle Bluetooth Vehicle Data Collection | FDOT Central Office | Engineering Technician:

Performed data collection and data analysis for the project. Responsible for the deployment and maintenance of more than 25 units statewide including the main ports in Florida. He is also responsible for daily traffic monitoring during the data collection period. Performed 72-hour classification counts for the 8 main ports in Florida and 1-hour counts for each deployed location along the main roads in the State. Assisted in developing freight calibration factors, seaport peak hour traffic reports, developed maps and figures (8/2015-12/2015).

*Reference: Steve Bentz, (850) 414-4738*

#### Icon Biscayne Traffic Impact | Related Group | Engineering Technician:

Mr. Pantaleon performed data collection and traffic engineering support. Assisted in performing 72-hour approach counts, 72-hour Turning Movement Counts for 12 intersections along Biscayne Blvd. and NE 2nd Avenue. He also assisted in creating Synchro Model and data analysis, developed report graphics and figures (9/2015-12/2015).

*Reference: JP Perez, (305) 533-0093*

#### SR 933-12th Avenue Arterial Safety Study | FDOT District 6 | Engineering Technician:

Reviewed crash data, developed collision diagrams, figures and maps (4/2015-5/2015).

*Reference: Miguel Caldera, (305) 470-5335*

#### West Flagler Tech Memo | FDOT District 6 | Engineering Technician:

Evaluation of the corridor to identify segment wide and specific locations of traffic safety concern/pattern of crashes and to develop probable causes and countermeasures. Mr. Pantaleon is responsible of reviewing crash data along the study segment, developing collision diagrams, assisting in identifying crash patterns, developing field review observation diagrams, and graphics (11/2015-Ongoing).

*Reference: Miguel Caldera, (305) 470-5335*

#### SW 10<sup>th</sup> Street Consensus Building Livability Planning | Broward MPO | Engineering Technician:

Community outreach effort to bring together regional and adjacent community groups to concur and collaborate on a transportation project that has been delayed for decades because of community concerns. Includes the development of a brand, website and collateral material and many, many local meetings to inform the public and to get them to understand that there are opportunities that are passing them by and that the status quo is not helping anyone. Included development of a logo and tag line, designated phone line for questions from general public, elected official one-on-ones and other outreach techniques (11/2015-Ongoing).

*Reference: Paul Calvaresi, (954) 876-0031*

## ADVANCED TRANSPORTATION ENGINEERING CONSULTANTS (ATEC) | 4/2013-6/2015

### Graphic Designer:

- Created, printed and modified drawings in AutoCAD and Adobe CS5 Suite.
- Worked closely with the engineering staff providing graphic designs, drafting and technical support for transportation studies and engineering reports.
- Prepared various exhibits for project meetings.
- Prepared marketing content such as Logos, Covers, Brochures, Banners, Boards, etc.
- Assisted preparing proposals and bids.
- Tracked and maintained office supplies.

## ADVANCED TRANSPORTATION ENGINEERING CONSULTANTS (ATEC) | 3/2012-4/2013

### Data Collection Technician:

Responsible for developing and organizing traffic data collection studies such as: turning movement counts, pedestrian group counts, spot speed studies, approach counts, gap, travel time and delay.

- Compiled, processed and analyzed data and results.
- Performed quality control analysis.
- Generated data graphs and reports using Jamar Technologies Software.
- Conducted maintenance and calibration of data collection equipment and vehicles.
- Collaborated with engineers assisting in field work such as: field reviews, collecting project information and in-site pictures, surveying.
- Implemented and maintained an active Traffic Monitoring System which consisted of a Cloud Based Wireless Network, IP CCTV Cameras and Advanced Vehicle Detectors. (Solar powered)
- Documented all server and network problems and other unusual events in detail.
- Upgraded and expanded network systems and their components.

## PANTALEON CONSTRUCTION | 3/2008-1/2012

### Field Supervisor:

Responsibilities included: Supervised on-site construction procedures; Ensuring work was completed on time and within regulation; Communicated job progress, timing, scheduling and materials needs; Visited all active job sites to ensure quality control.



**Alexis Gonzalez**  
Engineering Technician

**Years of Experience: 1**

#### AREAS OF EXPERTISE

Industrial Engineering  
Traffic Engineering

#### EDUCATION

BS in Industrial Engineering  
Higher Polytechnic Institute  
Jose Antonio Echeverria  
(ISPJAE)  
2005

#### WORK HISTORY

Marlin Engineering, Inc.  
3/2016-Present  
Engineering Technician

Beretz Construcciones  
Agroindustriales, SA  
4/2012-2/2016  
Logistics Specialist

Cubalse S.A.  
11/2007-3/2012  
Logistics Specialist

Geocuba Cartografía  
9/2005-2/2012  
Production Specialist

Alexis is responsible for developing and organizing traffic data collection studies such as: turning movement counts, pedestrian group counts, spot speed studies, approach counts, gap, travel time and delay. He regularly compiles, processes and analyzes data and results; performed quality control analysis; generates data graphs and reports using Jamar Technologies Software; conducts maintenance and calibration of data collection equipment and vehicles; and collaborates with engineers assisting in field work such as: field reviews, collecting project information and in-site pictures, surveying.

#### **Districtwide Traffic Operations Safety Studies | FDOT District 6 | Engineering Technician:**

The purpose of this contract is to provide the Department with professional traffic engineering services through the development of various traffic operations and safety studies that will be identified for intersections, arterials, and related improvement recommendations and evaluations. This includes five basic types of safety and traffic operations studies such as: qualitative assessments, signal warrant analysis, intersection analysis, arterial analysis, left turn phase warrant analysis, composite studies, and other traffic engineering related studies, fatal crash reviews, and speed zone studies (2015-Ongoing).

Reference: Miguel Caldera (305)470-5335

#### **Districtwide Traffic Operations and Safety Studies Contract | FDOT District 6 | Engineering Technician:**

Provides professional traffic engineering services through the development of various traffic operations and safety studies for intersections, arterials, and related improvement recommendations and evaluations. Contract includes the development of basic types of safety and traffic operations studies plus composite studies, including, Qualitative Assessments, Signal Warrant Analysis, Intersection Analysis, Arterial Analysis, Left Turn Phase Warrant Analysis, Fatal Crash Reviews, Speed Zone Studies and Technical Memos (2015-Ongoing).

Reference: Ivette Funtanellas (305) 470-5311; Vivek Reddy (305) 704-6440

#### **Bluetooth Statewide Vehicle Origin-Destination Study | FDOT Central Office | Engineering Technician:**

Served an instrumental part in the deployment and data collection of forty-five (45) Bluetooth receivers in support of the project. Performed daily maintenance checks to ensure that receivers were operating properly. Performed classification counts utilizing Mio-Vision cameras and assisted in the development of calibration factors for all port locations. Assisted in the filtering of millions of records of data to help identify truck and cruise traffic routes from I-95, I-75 and I-10 to each of the seaports and the five (5) most utilized routes across the state and from seaport to seaport (2015-2016).

Reference: Thomas Hill, (850) 414-4924

#### **BERETZ CONSTRUCCIONES AGROINDUSTRIALES, SA | 4/2012-2/2016**

##### **Logistics Specialist:**

- Warehouse Management System (software) Operator
- Execute Receiving, Storage and Shipping Operations
- Maintain optimum inventory levels
- Purchase out of stock items
- Informatics Technician



Years of Experience: **29**

#### AREAS OF EXPERTISE

Structural Design  
Structures Inspections

#### EDUCATION

BS Civil Engineering,  
Rensselaer Polytechnic  
Institute, 1981

#### REGISTRATIONS

PE #41956, Florida

## Barbara King-Russell, P.E.

Senior Structural Engineer

Ms. King-Russell has 29 years of civil and structural engineering experience, including planning, design, construction engineering and inspection, and writing of procedures and specifications, for pedestrian and vehicular facility projects including bridges, retaining walls, sound barrier walls, box culverts, and miscellaneous concrete and steel structures. She has extensive experience designing and coordinating Florida Department of Transportation (FDOT) projects as well as projects for cities, counties and other clients. Through her direct experience designing and coordinating structural projects, Ms. Russell specializes in the proactive identification of potential construction and fabrication issues during the design phase, as well as coordination with the Contractor and fabricator to streamline the approval and construction processes through responsiveness and practicality of design.

**Bridge Structural Evaluation | City of Port St. Lucie | Structural Engineer:** Prepared design plans for Southbend Blvd. over C-24 Canal for Bridge Beautification. Investigated the cause and prepared plans for solving the approach settlement and expansion joint issues at the St Lucie West Bridge over the Turnpike. Performed field review of guardrails at the bridge approaches for comparison with the repair recommendations in the FDOT Bridge Inspection Reports for inclusion in repair plans. Miscellaneous tasks included general structural reviews and performing bridge load rating for a possible additional loading. (2015-Ongoing).

Reference: Heath Stocton, Phone: (772) 344-4239

**I-95 Rigid Pavement Reconstruction | FDOT District 6 | Structural Engineer:** Evaluated bridges within the scope of two project segments to determine the rehabilitation work necessary to meet FDOT and AASHTO requirements, for development of the Design/Build RFP. Prepared preliminary design plans for approach slab replacements and performed Load Ratings for barrier retrofits. (8/2014-Ongoing)

Reference: Jason Chang, (305) 470-5331

**Aluminum Sign Structure Replacement | FDOT District 4 | Structural Engineer:** Designed three special sign structure replacements with double uprights founded on double drilled shaft foundations. Ms. Russell analyzed the structures with STAAD and checked the design in MathCad following the methodology used by the FDOT program. (8/2014-1/2015)

Reference: Daniel Gonzalez, (954) 777-4678

**Florida Keys Overseas Heritage Trail (FKOHT) | FDOT District 6 | Structural Engineer:** Evaluated 23 historic FDEP owned bridges on the FKOHT for suitability to be used as a multi-use trail. Performed field inspections of 21 closed concrete spandrel arch bridges. Prepared Bridge Condition Assessment Reports including recommendations for rehabilitation/repair/removal as well as an Emergency Removal Plan for the bridges that are in danger of imminent failure on behalf of the FDOT. (10/2013-2/2014)

Reference: Aileen Boucle, (305) 470-5201

**Bicentennial Park Seawall Stabilization and Repair | Ebsary Foundation/City of Miami | Engineer of Record/ Structural Engineer:** Responsible for plans and post design services for this Design/Build project to stabilize 1447 linear feet of the existing seawall by adding soil anchors attached to the existing concrete cap. Ms. Russell resolved complex construction issues due to unanticipated interferences with abandoned subsurface structures. (1/2013-12/2013)

Reference: Matthew Shiring, (305) 325-0530



**Red Road Bulkhead Wall CSI | MCM/Miami-Dade County | Engineer of Record/Structural Engineer:** Responsible for plans and calculations for FDOT Cost Savings Initiative (CSI) involving redesign of Bulkhead Walls from steel sheet piles to pile and panel design. Post design services include review of shop drawings and resolving construction issues. (7/2012-Present)  
Reference: Robert Murphy, (305) 541-0000

**SR-776 & US-17 Mast Arm Repairs & Replacements Design-Build | FR Aleman/Sarasota & Charlotte Counties | Project Engineer:** Design of 21 special designs and 3 standard design mast arm structures along SR-776 & US-17 in FDOT District 1. This Design/Build project included design calculations and plans for replacement mast arm structures and drilled shaft foundations. (3/2012-1/2013)  
Reference: Amazia Kiboko, (305) 591-8777

**Palm Bay Parkway Design-Build | City of Palm Bay | Structural Designer:** Preliminary design of the Palm Bay Parkway bridge over the C-1 Canal. This structure is a 240'-0" long, 49'-4" wide 36" Florida I-Beam bridge consisting of four 60'-0" spans supported on pile bents. This was a LAP Project. (5/2012-8/2015)  
Reference: Barney Weiss, (321) 953-8996

**Krome Avenue over C-1-W | FDOT District 6 | Design Engineer:** Production of a Bridge Development Report for Krome Avenue over the C-1-W Canal. Through the FDOT District 6 General Engineering Contract, K&S served as an extension of the FDOT in house staff working with the roadway design and drainage groups. (3/2012-7/2013)  
Reference: Jorge Rodriguez, (305) 470-5444

**I-595 Express Corridor Roadway Improvement Project, Design-Build | Dragados USA | QC Engineer:** QC Engineer for I-595 Ramp E-2 Over Hiatus Road. The project was a redesign of existing 328'-2" long, 30'-1" wide, three span steel bridge plans to accommodate concrete 72" Florida I-Beams in order to save the Contractor money in a value engineering exercise. (8/2011-10/2013)  
Reference: Jose Ballesta, (954) 668-2015

**UHealth Ambulatory Medical Center Vehicular Bridge, University of Miami | Perkins and Will | QC Engineer:** A single span 76' long Florida I-Beam vehicular and pedestrian bridge that spans over the C-3 Canal. Ms. Russell was also the QC engineer for a culvert extension reinforced concrete end wall. Checked Load Rating. (12/2010-Present)  
Reference: Seth Benator, (404) 443-7691

**SR-826 Palmetto Expressway Section 2 | FDOT District 6 | Project Engineer:** Performed in-depth plans phase reviews for the 11 project bridges, retaining walls, and sign and signal support structures. After the FDOT Work Program shifted the project from Design-Bid to Design-Build, performed the 100% Plans Reviews for this condensed-schedule project. (1/2009-1/2010)  
Reference: Jason Chang, (305) 470-5331

**I-95 to Turnpike Connector Ramp Widening at Golden Glades, Design-Build | FDOT District 6 | Design Engineer:** Responsible for preparing 30% bridge plans and design calculations for partial bridge widening of the Golden Glades Connector Ramp over US 441. Performed post design services reviews for FDOT compliance of AASHTO Girder bridge plans. (6/2009-10/2011)  
Reference: Jason Chang, (305) 470-5331

**SR-826/Palmetto Expressway Section 5 | FDOT District 6 | Project Engineer:** Performed in-depth plans phase reviews on behalf of the FDOT for a major interchange reconstruction. The project included over 40 bridges in addition to retaining walls, bulkhead walls, culverts, and miscellaneous sign and signal support structures. Reviewed AASHTO Girder and Florida I-Beam bridge plans on behalf of the FDOT for AASHTO and FDOT compliance. (1/2007-12/2012)  
Reference: Jason Chang, (305) 470-5331





## Eduardo Vazquez, EI, CBI

Vice President, Structures Division

**Years of Experience: 18**

### AREAS OF EXPERTISE

Project Management  
Bridge Inspection

### EDUCATION

BS in Civil Engineering  
University of Havana, 1991

### REGISTRATIONS

EI No.1197ET213

### CERTIFICATIONS

Certified Bridge Inspector  
00369 FHWA-NHI - 130078 -  
Fracture Critical OSHA Fall  
Protection  
Inspection Techniques for  
Steel Bridges, 2011  
FDOT Engineering Concepts  
for Bridge Inspectors, 2000  
PADI/ Rescue Diver Cert  
MOT Advanced  
TSMA Failure and Inspection  
Training  
National Bridge Element  
Training, 2014  
Confined Space Entry  
Training, 2015

### WORK HISTORY

Marlin Engineering, Inc.  
12/2001-Present  
Vice President, Structures  
Division  
FDOT District 4  
1/1999-12/2001  
PE Trainee / Project Engineer

MARLIN's Structures Inspection Team has been led by Mr. Eduardo Vazquez, EI, CBI for the past 14 years. His 18 years of experience has been pivotal to the development and outstanding performance of this team. Mr. Vazquez is a former FDOT District 4 Certified Bridge Inspector and has a Bachelor's of Science in Civil Engineering with structural specialization. Mr. Vazquez vast experience includes design and inspection of structures for water treatment plants and space frames for roof structures, structural inspection that includes bridges (conventional, movable and fractural critical), overhead signs, high mast lights and all type of culverts.

**Districtwide Asset Management | FDOT District 6 | Project Manager:** Asset Management services including overhead sign inspections throughout District 6. Scope of work includes routine maintenance and repair activities associated with overhead sign structures (2016-Ongoing).

**Districtwide Local Government In-Depth Bridge Inspections | FDOT District 6 | Project Manager:** Project consists of the underwater bridge inspection of all Local Government bridges located within the geographical limits of the Department of Transportation District Six in compliance with Federal and State regulations. This contract includes a total of 346 bridges consisting of 11 bascules, 243 underwater inspections, 17 fracture critical inspections and additional interim inspections (2015-Ongoing).

**Asset Management of Movable Bridge and Fender Systems | FDOT District 6 | Project Manager:** Providing Asset Management services including bridge inspections for movable bridges and fender systems throughout District 6. Scope includes routine maintenance and repair activities associated with movable and fender structures (2016-Ongoing).

**West Palm Beach I-95 Asset Management Bridge Inspection | FDOT District 4 | Project Manager:** In association with another consultant, Mr. Vazquez is the Project Manager for topside routine bridge inspection, including segmental bridge structures, inspection of overhead sign structures, inspection of high mast light poles (HMLPs) and underwater inspection for all applicable structures (2013-Ongoing).

**Traffic Signal Mast Arms & High Mast Light Poles Inspection | FDOT District 6 | Project Manager:** Inspection of traffic signals throughout Miami-Dade County (2013-Ongoing).

**Routine Structure Inspections | Miami-Dade Expressway Authority | Project Manager:** Currently leading this assignment for Marlin. It entails the structural underwater and topside inspection of 127 bridges and also over 120 Overhead Sign structures. Duties include contract coordination with MDX and the Inspection Team Leader (2009-Ongoing).

**Air Force Bases Underwater Inspections | Atkins | Managed Contract/Team Leader:** Underwater inspections for bridges throughout the US Air Force Bases in Virginia, North Carolina, California, New Jersey, South Carolina, Florida and Puerto Rico (2011-Ongoing).

**Sawgrass Revetment Underwater Inspection | BCC Engineering | Managed Contract:** Inspections on the void areas previously documented along the channel embankment, where the sound walls were installed on the Sawgrass Expressway (2009-Ongoing).

**Consulting Services for the City of Ft. Lauderdale | TranSystems | Managed Contract:** Underwater structural evaluation and reports for the City's 52 bridges. These reports identify and quantify the deficiencies of the bridge and recommend whether the bridge structure requires repair, rehabilitation or replacement (2014-2015).

# MARLIN

**PortMiami Wharves Strengthening Program |URS Corporation Southern| Managed Contract/Team Leader:** This contract entailed the underwater inspection of the entire PortMiami seawalls as part of the Bond Engineering Report Services to the PortMiami, in conjunction with another consultant (2010-2013).

**Districtwide Overhead Sign Inspection | FDOT District 4 | Managed Contract/Team Leader:** Structural inspections and report processing in Pontis database for over 900 overhead cantilever, bridge, cable and butterfly signs, including developing, implementing and coordinating the maintenance of traffic (2008-2013).

**Kennedy Space Center Underwater Bridge Inspections | Hardesty & Hanover | Managed Contract/Team Leader:** Underwater and top side structural inspection of the nine (9) bridges/culverts at the Kennedy Space Center (2009-2010).

**Underwater Bridge Inspection for Turnpike | Florida Turnpike Enterprise | Senior Bridge Inspector:** Led this assignment which entailed the underwater bridge inspection, scour survey and analysis, and report processing on 85 turnpike structures from milepost 0 to 199 (south system) (2004-2005 & 2011-Ongoing).

**Florida Keys Asset Management Contract | FDOT District 6 | Senior Bridge Inspector:** In charge of managing the underwater portion of the inspections under this contract. This contract included over 35 bridges, along US-1, in Monroe County, and entailed the underwater structural inspection and scour evaluation of the substructure components of these bridges in contact with the water (2007-2013).

**Multiple Park Underwater Facilities Structural Inspections | Miami-Dade County | Managed Contract/Team Leader:** Managed this contract which included the inspection of 20 parks in Miami-Dade County and a visual field structural inspection of all facilities for any damages that needed repairs (2007).

**Underwater Bridge Inspection for the Seven-Mile and Channel Five Bridges of the Florida Keys | FDOT District 6 | Senior Bridge Inspector:** Mr. Vazquez managed this contract with the Florida Department of Transportation and assisted in performing the underwater bridge inspection and scour evaluation of the substructure components of these bridges in contact with the water (2004-2005).

**Emergency Scour Inspection Contract Following Hurricane Frances | FDOT District 4 | Senior Bridge Inspector:** This emergency damage assessment consisted of the underwater inspection of all bridges in Palm Beach and Broward Counties. Mr. Vazquez leaded the team and coordinated the emergency response efforts (2004).

**Districtwide Local Government In-Depth Bridge Inspection | FDOT District 6 | Senior Bridge Inspector:** Mr. Vazquez led this assignment for Marlin Engineering. This cycle entailed the structural underwater inspection of over 330 On and Off System Bridge structures, including 11 bascule bridges. Duties included contract coordination with local agencies and the District and Inspection Team Leader (2005-2013).

**Katrina and Wilma Hurricane Damage Assessment | FDOT District 6 | Managed Contract:** Managed the contract and led the inspection team on this emergency damage assessment which was performed on over 385 structures including overhead signs and high mast lights (2005).

**Emergency Safety Review of Light Poles and Traffic Signal Structures on State Roads in St. Lucie County | FDOT District 6 | Managed Contract/Team Leader:** Due to the impact of Hurricane Jeanne, Mr. Vazquez managed the contract and led a team of inspectors (2004).

**Districtwide Overhead Sign/High Mast Light Inspection | FDOT District 6 | Managed Contract:** Mr. Vazquez led this assignment. It entailed the structural inspection of over 1000 Overhead Signs and High Mast Light Poles throughout Miami-Dade and Monroe counties (2003-2007).



Years of Experience: **16**

#### AREAS OF EXPERTISE

Project Management  
Bridge Inspection

#### EDUCATION

Bachelor of Business  
Administration  
Universidad Interamericana  
1997

#### CERTIFICATIONS

Certified Bridge Inspector,  
#00409  
CPR Certified  
OSHA Fall Protection  
PADI Rescue Diver  
FHWA Underwater Bridge  
Inspection Training  
MOT Advanced  
TSMA Failure and Inspection  
Training  
National Bridge Element  
Training, 2014  
Confined Space Entry Training,  
2015

#### WORK HISTORY

Marlin Engineering, Inc.  
6/2000 to Present  
Structures Inspection  
Supervisor

## Alexis Rego, CBI

Structures Inspection Supervisor

Alexis Rego, CBI has 16 years of experience in the area of structural inspections for both topside and underwater, including bridges (conventional and fracture critical), overhead signs, culverts, high mast lights, piers, seawalls and a variety of other structures.

**Districtwide Asset Management | FDOT District 6 | Structures Inspection Supervisor:** Asset Management services including overhead sign inspections throughout District 6. Includes routine maintenance and repair activities associated with overhead sign structures (2016-Ongoing).  
Reference: Todd Hammerle, DBI Services, (386) 456-1101

**Asset Management of Movable Bridge and Fender Systems | FDOT District 6 | Structures Inspection Supervisor:** Providing Asset Management services including bridge inspections for movable bridges and fender systems throughout District 6. Scope includes routine maintenance and repair activities associated with movable and fender structures.

**Districtwide Local Government In-Depth Bridge Inspections | FDOT District 6 | Structures Inspection Supervisor:** Project consists of the underwater bridge inspection of all Local Government bridges located within the geographical limits of the Department of Transportation District Six in compliance with Federal and State regulations. This contract includes a total of 346 bridges consisting of 11 bascules, 243 underwater inspections, 17 fracture critical inspections and additional interim inspections.

**West Palm Beach I-95 Asset Management Bridge Inspection | FDOT District 4 | Structures Inspection Supervisor:** For this contract, in association with another consultant, Mr. Rego is a team leader for topside routine bridge inspection, including segmental bridge structures, inspection of overhead sign structures, inspection of high mast light poles (HMLPs) and underwater inspection for all applicable structures.

**Traffic Signal Mast Arms & High Mast Light Poles Inspection | FDOT District 6 | Structures Inspection Supervisor:** Inspection of traffic signals throughout Miami Dade County.

**Underwater Bridge Inspection for Florida Turnpike | Florida Turnpike | Structures Inspection Supervisor:** For this contract, in association with another consultant with the Florida Turnpike Enterprise, Mr. Rego performs underwater bridge inspection, scour survey and analysis, and report processing on 85 turnpike structures from milepost 0 to 199 (south system).

**MDX Routine Structure Inspections | Miami-Dade Expressway Authority | Structures Inspection Supervisor:** Mr. Rego is currently leading a team for Marlin Engineering. This contract entails the structural underwater and top side inspection of 127 bridges and also over 120 Overhead Sign structures.

**Air Force Bases Underwater Inspections | Atkins | Structures Inspection Supervisor:** This contract entitled the underwater inspection of bridges throughout US Air Force Bases in Virginia, North Carolina, California, New Jersey, South Carolina, Florida, and Puerto Rico.

**Kennedy Space Center Underwater Bridge Inspections | Hardesty & Hanover | Structures Inspection Supervisor:** Managed this contract which entitled underwater and top side structural inspection of the nine (9) bridges/culverts at the Kennedy Space Center.

# MARLIN



## German J. Sanchez, EI

Engineering Intern/Inspector

With more than 14 years of experience, German Sanchez is a Senior Designer working on projects involving lighting, signing and pavement markings, signalization, drainage, maintenance of traffic and roadway design. He is also responsible for performing quality control, ensuring that projects meet all requirements outlined in the FDOT CADD Production Criteria Handbook and CADD Manual. German has experience in overseeing the Construction Engineering & Inspection (CEI) of over 100 railroad rehabilitation projects which included participating in public information meetings, inter-agency coordination, maintenance of traffic and final reports to FDOT.

**Years of Experience: 14**

### AREAS OF EXPERTISE

Design  
Construction Management  
CEI Oversight

### EDUCATION

BS in Civil Engineering, Florida  
International University, 2010

### REGISTRATIONS

Engineer in Training  
Florida 1100016287, 2011

### CERTIFICATIONS

SFRTA Roadway Worker  
Protection Contractor Safety  
11/2015

FEC Roadway Worker  
Protection 02/2016

Maintenance of Traffic  
Advanced 08/2015

CTQP Asphalt Paving Level 1  
08/2015

CTQP Earthwork Construction  
Inspection Level 1 08/2015

### WORK HISTORY

Marlin Engineering, Inc.  
11/2015-Present  
Senior Designer

MPG Pipeline Contractors  
01/2014-01/2015  
Project Coordinator

GueSanc Corp.  
01/2013-12/2013  
President

Marlin Engineering, Inc.  
04/2009-06/2012  
Roadway Designer

**NW 92<sup>nd</sup> Avenue | City of Doral | CEI Inspector:** Provides field observation and oversight to the construction improvements of NW 92<sup>nd</sup> Avenue in the City of Doral. This includes coordination between governing agencies, overseeing safety concerns, and ensuring compliance with MOT plans. In addition, MARLIN will verify quantities installed by the Contractor and make payment recommendation to the City.

**Districtwide General Engineering Contract | FDOT District 4 | Inspector:** Team member in SFRC inspection and railroad crossing condition evaluation project. Visited 73 state owned, at-grade railroad crossings and inspected the conditions, recorded survey data and evaluated the overall rating for the individual crossings. Helped to modify the evaluation process currently used to include pedestrian factors and train factors. Worked on the FEC corridor inspecting the All Aboard Florida double tracking construction on State owned crossings. Inspected the crossing to ensure that FDOT Design standards were being followed.

**Tamiami Trail Next Bridge Design-Build | FDOT District 6 | Senior Designer:** Team member assisting in designing the 2.6 mile project. Production of roadway plans including three bridges as well as the signing and pavement markings.

**NW 92<sup>nd</sup> Avenue Extension Project | City of Doral | Senior Designer:** Team member assisting in designing the signing and pavement markings for the extension of the roadway from 500' North of NW 25<sup>th</sup> Street to a new intersection at NW 36<sup>th</sup> Street.

**Broward County to Indian River County | Roadway Designer:** Roadway Designer responsible for the development of traffic control plans for full closure of state roads in FDOT District 4 for the rehabilitation of railroad crossings with FEC and CSX railways. In the last 8 years, performed between 10 to 16 crossings annually. Coordination with governmental agencies and general public was critical to minimize the impact to traffic. Participated as a team member of yearly work plan visits from central office and special projects, like quiet zones along railway corridors suggesting roadway modifications to provide the safest railroad crossings possible. Reviewed the contractor's invoice and submitted a final report to FDOT D4. Implemented QA of nightly set-up in order to minimize impact to traffic at time of closure. Represented the company at all public meetings with FDOT District 4. (2004-2012)

**Biscayne Trail Segment C | Miami-Dade County | Designer:** A seven mile shared use path built on top of Army Corps of Engineers. Coordinated the permitting process and represented the company's design team at meetings with the County Parks agency. Performed detailed site survey ensuring that parameters set by permitting agency in design were met. Represented the design team and coordinated with the planning department within the company that acted as the point of contact with the project manager from the County Parks agency and other governmental agencies. (2011-2012)

# MARLIN

**N.W. 25th Street (West Segment) Post-Design | FDOT District 6 | Designer:** Assisted contractor by answering any questions or issues that were encountered during redesign of contract plans. Represented Company in meetings with contractor and FDOT. Provided plans and boards to public information officer for public meetings and meetings with County advisory boards. Attended meetings with local agencies and business owners during public meetings to answer any questions regarding the benefits of the project. Assisted contractor to expedite review by FDOT and other local governmental agencies of redesign plans by contractor. Would personally visit FDOT and County to ensure that approval of plans would be done in a timely manner. (2011-2012)

**SR-997 Krome Avenue Reconstruction | FDOT District 6 | Designer:** Responsible for maintenance of traffic for the reconstruction of a two lane undivided major rural arterial and converted it to four lane divided roadway from North of SW 8th Street to South of SW 88th Street (Kendall Drive). Responsible for quality control of roadway plans and full implementation of review comments. Assisted Project Engineer during meetings with business owners along corridor including Miccosukee Casino. Performed peer review for quantities in computation book and transport website by FDOT. (2010-2012)

**Highland Village Sewer Connection Project | City of North Miami Beach | CEI Coordinator:** CEI Coordinator responsible for overseeing the contractor to ensure that plans and specifications were followed. The project involved connecting 220 properties to sewer mainline. Reviewed and approved contractor's invoices and developed reports for client outlining weekly progress at project. Represented the CEI Team at progress meetings with the City and Contractor. Assisted city officials in assuring that all paperwork required was completed by property owners allowing the contractor onto their property. (2008-2009)

**N.W. 25th Street (West Segment) Reconstruction | FDOT District 6 | Designer:** Team leader responsible to update plans to new standards and get plans approved for construction through expedited review by FDOT construction office. Successfully submitted plans electronically for this 1,200 sheet project involving seven sub-consultants. Acted as deputy project manager in meetings with FDOT construction representatives and other disciplines allowing for a smooth review for a project that had been put on hold for over 2 years due to funding issues in the work program. (2008-2011)

**N.W. 25th Street (East Segment) Post-Design | FDOT District 6 | Designer:** Responsible to attend weekly meetings and field meetings to identify construction issues raised by contractor and to provide solutions in a timely manner in order for construction schedules to not be impacted. Acted as the deputy project manager and would be the initial point of contact for FDOT construction manager, Dari Vorce, and the CEI project manager, Nelson Perez. Would meet with Engineer of Record weekly and provide a breakdown of the issues and would advise EOR when his presence was necessary at a crucial meeting. Reviewed shop drawings and would meet with FDOT and County when their reviews were a required step in the process, tracked requests for information and performed all CADD work for the 4 year construction duration. (2006-2010)

**N.W. 25th Street (East Segment) | FDOT District 6 | Designer:** Responsible for roadway plans and computation books. Assisted in the production of the signing and pavement marking plans and reviewed the quantities shown in the tabulation of quantities sheets. Assisted with the signalization plans and also quantifying for pay items used on tabulation of quantities sheets. In charge of implementing the Electronic Delivery process expected by FDOT and handled the EDI including traveling to Central Office to allow the developers to work out bugs in the software due to the large size of the project (over 1300 sheets). Personally would deliver plans and documentation to FDOT personnel to ensure that project was submitted ahead of schedule. Responsible to meet with the reviewers from FDOT and the County to make sure that implementations would satisfy their review comments. (2003-2006)

**SR-834, Sample Road Improvements | FDOT District 4 | Designer:** Responsible for roadway, signals and signing and pavement markings plans. Coordinated with multiple agencies, sub-consultants and FDOT. Performed the initial sign survey and site visits to determine the presence of Fiber optic for signalization interconnect system. Met with utility companies in the field during the locates process to make sure that the areas of importance were marked accurately. (2004-2008)

**SR-15 Paradise Way | Broward County | Designer:** Performed initial site survey and visit to ascertain existing conditions. Designed the roadway plans and signing and pavement markings plans and managed new construction of right turn lane at main entrance of mobile home community. Designed self-contained French drain system to treat excess runoff. (2001-2002)



**Years of Experience: 20**

#### AREAS OF EXPERTISE

Survey & Mapping  
Subsurface Utilities Engineering (SUE)

#### EDUCATION

BS Construction Management  
Florida International University,  
2013

#### CERTIFICATIONS

Intermediate Maintenance of  
Traffic, 30Hrs OSHA & Confined  
Space

#### WORK HISTORY

Marlin Engineering, Inc.  
5/2003-Present  
Survey Manager / CADD  
Technician

Schwebke Shiskin & Assoc., Inc.  
6/1996-5/2003  
Crew Chief/Instrument Man

## Omar Carcamo

Survey Manager / CADD Technician

Mr. Carcamo has more than 20 years of experience performing Land Surveying services, which includes a strong background in horizontal/vertical control surveying, topographic, hydrographic, as-builts, boundary surveys and construction layouts. Mr. Carcamo has worked for a variety of city, county and state agencies, as well as private clients. He is experienced with the latest surveying equipment in the market today. He possesses technical knowledge of Auto CADD 2014, Microstation XM/V8i, CAICE, Microsoft Office Suite and Primavera P6.

**SR 968/SW 1st Street Bridge | FDOT District 6 | Survey Crew Chief / CADD Technician:** SR 968/SW 1st Street from 150' West of center line of SW 6th Ave. to 150' East of center line of SW 2nd Ave. Overall project size including the side streets is approx. 1 mile. Within this project, provided a full DTM (Digital Terrain Model), alignment verification, cross sections, topographic/drainage/and bridge survey. (4/2014-9/2014).  
Reference: Scott Perkins, PSM, (305) 470-5194

**SR 834 / Sample Road & SR 811 / Dixie Highway | FDOT District 4 | Survey Crew Chief / CADD Technician:** Horizontal/vertical control, baseline survey, Right of Way survey, topographic/DTM, cross sections and signal light survey. The design survey was to extend 800 feet south of center line of SR 834 / Sample Road to 700 feet north from center line of SR 834 / Sample Road along SR 811 / Dixie Highway and 1,000 feet west of center line of SR 811 / Dixie Highway to 1,000 feet east from center line of SR 811 / Dixie Highway along SR 834 / Sample Road. (5/2015-5/2015).  
Reference: Paul Doll, PSM (954) 777-4579

**SR 5/US 1 from 53rd Street to CR-510 | FDOT District 4 | Survey Crew Chief / CADD Technician:** Horizontal/vertical control, baseline survey, Right of Way lines, planimetric survey, drainage, channel survey and sectional/grant survey. The design survey on SR 5 was to extend 750 LF south from 53rd Street to 500 LF north to 87th Street. In addition, the survey was to extend 1,900 LF west from Center Line of SR 5 to 2,800 LF east from SR 5 along CR 510.

**SR 90 / SW 8th Street & SR 973 / SW 87th Avenue | FDOT District 6 | Survey Crew Chief / CADD Technician:** Full DTM (Digital Terrain Model) project, topographic survey that expands from 200 feet west of the center line of SW 92nd Avenue 200 feet east of SW 82nd Avenue. A total distance of 1.11 miles. Activities included, but were not limited to, horizontal/vertical control, topographic/DTM, planimetric, roadway cross sections, bridge survey and channel survey.

**SR 7 / US 441 at the Intersection with NW 29th Street | FDOT District 4 | Survey Crew Chief / CADD Technician:** Project consists of providing horizontal/vertical control, signal light survey, topographic/DTM and cross sections. The design survey was to extend 700 feet south from center line of NW 29th street to 300 feet north from center line of NW 29th street along SR 7 / US 441.

**SR 710 / Beeline Highway, Intersection of North Lakes Blvd. | FDOT District 4 | Survey Crew Chief / CADD Technician:** Project consists of providing horizontal/vertical control, baseline survey, Right of Way survey, topographic/DTM, cross sections and signal light survey. The design survey was to extend 1000 feet south of center line of North Lakes Blvd. to 1,200 feet north of center line of North Lakes Blvd. along SR 710 / Beeline Highway. Also consisted of 1,200 feet west of center line of SR 710 / Beeline Highway to 1,000 feet east of center line of SR 710 / Beeline Highway along North Lakes Blvd.



**Main Street & Bull Run | Town of Miami Lakes | Survey Crew Chief / CADD Technician:** This project is a full DTM (Digital Terrain Model) and topographic survey that expands 100 feet from each direction at the intersection of Main Street & Bull Run.

**Village of Miami Shores | CPH | Survey Manager:** Provided Ground Penetrating Radar (GPR) and Subsurface Utility Engineering (S.U.E.) Services on all existing utilities that may conflict with the installation of a proposed 12" Water Main.

**Port of Miami Tunnel Project | Bouygues Civil Works Florida | Survey Crew Chief / CADD Technician:** Provided sewer as-built from Watson and Dodge Island to Client.

**TMB Peninsula Aviation Leasehold Survey – Kendall-Tamiami Executive Airport | Miami-Dade County | Survey Technician:** Mr. Carcamo is responsible for NGS points recovery, section corners recovery, state plane coordinate in NAD 83/07, establish vertical and horizontal control points, topography survey, establish leasehold boundary survey, and legal description.

**Land Surveying Services along SW 157 Ave from SW 152 St to 184 St. | Miami-Dade County | Survey Technician:** This project entailed setting network control using RTK GPS methods, Bench Run, Topography (Topo) within Right of Way +25' beyond, Cross sections at 50' intervals, Side street X-sections R/W TOR/W +20', Profiles at side streets from SW 157 Ave centerline out to 100', Right of Way Lines, and final deliverables were turned in electronically with a CADD drawing.

**Greenways Biscayne Trail Segments C | Miami-Dade County | Survey Technician:** Mr. Carcamo established vertical and horizontal controls as well as baseline survey, showed record right of way line, topography survey, check sections, and DTM.

**Ad Barnes Park Improvements | Miami-Dade County | Survey Technician:** The scope of work included boundary survey, topography survey, and tree survey.

**Park Trail Improvements PSA | Miami-Dade County | Survey Technician:** Project entailed Baseline of Survey, Right of way Lines, Topography Survey, Bench Marks, Network Control, and Cross sections.

**S.U.E. At Rickenbacker Causeway & Miami Seaquarium | Miami-Dade County | Survey Technician:** Included use of vacuum to excavate for the purpose of physically measuring vertical location, as type of material and depth of utility. Two soft digs would be performed to discover and establish an existing FPL line.

**Town of Miami Lakes Main Street & Bull Run | Survey Crew Chief / CADD Technician:** Full DTM (Digital Terrain Model) and topographic survey that expands 100 feet from each direction at the intersection of Main Street & Bull Run.

**6851 Sunrise Place Subsurface Utility Engineering (S.U.E.) | Survey Manager:** Provided Ground Penetrating Radar (GPR) Services, to locate any existing sea wall anchors and utility that may conflict proposed construction designs. Property was located in Miami, Florida.

**Miami Children Hospital | Survey Manager:** Provided Ground Penetrating Radar (GPR) and Subsurface Utility Engineering (S.U.E.) Services on all existing utilities that may conflict with onsite excavations.

**City of North Miami | Survey Manager:** Provide Ground Penetrating Radar (GPR) and Subsurface Utility Engineering (S.U.E.) Services on all existing utilities that may conflict with the installation of a proposed 16" Force Main.

**SR 5 South Dixie Highway SUE | Survey Crew Chief / CADD Technician:** Provided Ground Penetrating Radar (GPR) and Subsurface Utility Engineering (S.U.E.) services on specific utilities selected by client.

B

APPROACH TO PROJECT  
MANAGEMENT



# PROJECT MANAGEMENT APPROACH

## APPROACH

### **CLEARLY DEFINE THE CHALLENGES AND SET OBJECTIVES**

Our approach involves open discussions with City staff to identify any potential issues and develop a clear plan of resolution. Our staff has the resources necessary to help you define the challenges, determine your objectives, and most importantly, accomplish your goals. A crucial part of this process is to establish a vision of what the community wants and determine how the transportation system fits into this vision. Once the goals and objectives of the project have been established, a detailed scope and schedule will be developed for each of the work assignments.

### **DEVELOP A FEASIBLE SOLUTION**

Project feasibility is determined by analyzing the various parameters specific to each project. The analysis allow our technical professionals to predict the impact of different alternatives. The results are then compared to the previously established priorities and objectives to determine if the proposed project will be effective in addressing the problem and justify cost. Based on our experience, the accuracy of costs is a critical element in the evaluation of alternatives; consequently, where there are multiple alternatives each one will be thoroughly reviewed by a member of our in-house engineering team to guarantee accurate cost estimates for each alternative safeguarding the reliability of the decision making process.

We are also well aware of potential concerns relating to the constructability and feasibility of proposed concepts and projects. Consequently, our approach to the project includes an extensive in-house review of the final recommendations by a team member from our various departments (i.e. Survey, Roadway, Drainage, Bridge inspection, etc.) to ensure constructability and to identify any potential impacts resulting from these recommendations including right-of-way constraints, utility conflicts, ADA compliance, environmental and permitting impacts among others). At this stage, it is also crucial to identify any agencies, governmental bodies or any other organizations that will have a stake in the approval of the proposed alternatives.

### **GAIN PROJECT ACCEPTANCE AND BUILD PUBLIC CONSENSUS**

The last stage of the process is to ensure that all concerns from stakeholders and the community are addressed and to gain acceptance of the project from the City and from any other pertinent agencies. On similar contracts, MARLIN has performed presentations to municipal committees, Planning and Zoning (P&Z) Boards, the Florida Department of Transportation (FDOT) and Commissions; our staff has experience in facilitating the approval of municipal projects at the County, State and Federal level, as well as, providing coordination between municipalities and agencies.

Obtaining public acceptance is also a critical component to the success of a project. Our experience has shown effective coordination and communication with all the major stakeholders (i.e. elected officials, other governmental agencies and the general public) is important and necessary from early on in the project. We are also particularly aware of the importance of public perception in the success of a project; therefore, we anticipate that our technical expertise and our extensive experience in building consensus will be valuable assets to the City during the public involvement phases of a project.

## MEETING DEADLINES AND BUDGET

Having served many clients on similar contracts, we understand the complexity of working within tight budgets and schedules. Consequently, we will coordinate project scopes, budgets and schedules for each assignment with the City to ensure critical deadlines are met and that all work is performed within budget.

Once we have clearly identified the project purpose and developed a feasible path to meet that purpose, a detailed project cost estimate will be developed and submitted to the City Project Manager for approval. Once consensus on the scope and fees has been achieved, MARLIN staff will be assigned and immediately begin working on the new project task. Our experience shows that this process provides the client with the desired deliverable at cost and on budget.

Based on the established project schedules, we will periodically hold progress meetings and submit progress reports as needed to keep City Staff informed throughout the life of the project and also to ensure projects are being completed on schedule. Progress reports will also coincide with billing invoices, which will ensure that the City only pays for work that has been completed.

## APPROACH TO SCHEDULE AND COST CONTROL

Having served many clients on similar contracts, we understand the complexity of working within tight budgets and schedules. Consequently, we will coordinate project scopes, budgets and schedules for each assignment with the City to ensure critical deadlines are met and that all work is performed within budget. Our Project Manager, Jose Santiago, will perform project progress meetings with the City Project Manager on a regular basis and submit progress reports to ensure tasks are meeting schedule benchmarks. The schedule for the project progress meetings will be coordinated with the City Project Manager and attendance of all key MARLIN staff members will be mandatory. By requiring project progress meetings and reports, project cost control can be better maintained and tracked by the City Project Manager and MARLIN staff. As projects advance and new tasks begin, Jose will have a task kick-off meeting with the City Project Manager to discuss each of the projects objectives so that MARLIN staff can have a firm understanding of the desired result.



## PROJECT MANAGEMENT APPROACH

Our project management philosophy is to create a partnership with our Team to provide the City with planning, design and construction management services that will ultimately be beneficial to and welcomed by the public. Our goal is to produce technically sound contract documents while being cost conscious, and completed on schedule and under budget. We will implement this philosophy through teamwork and the right allocation of resources within the MARLIN Team. We will pay attention to detail and manage each project by managing the individual component parts. Every MARLIN Team member will meet the City needs and expectations for each task work order assigned. The MARLIN Team will build a team approach with the City by maintaining open and honest professional communication. We will not hesitate to make tough recommendations and believe that the success of any project hinges on cooperation.

The MARLIN Team Project Manager must be able to quickly understand the project, visualize the final product and have the ability to quickly identify the specific staffing and equipment requirements to complete projects within the City's time schedule. Jose Santiago will be the primary contact with the City Project Manager and will have the responsibility of coordinating the engineering and planning efforts of the MARLIN Team to ensure that the expectations of the City are met during all phases of any project assigned.

The MARLIN Team understands that a "good start" is essential to ensuring the success of a project. Therefore, upon receiving the notice to proceed, Jose will organize a kickoff meeting. The purpose of this meeting will be to ensure that all of the Team members assigned to the work order understand their project assignments and that the following critical

components are completely understood:

- Project Scope & Objectives
- Schedule
- Key Deliverables
- Budget
- Expectations of the City
- Roles & Responsibilities

**PROJECT MANAGEMENT PLAN:** As Project Manager, Jose will ensure the success of any task work order by implementing a project management plan that focuses on the following:

**Open Communication:** Jose will maintain open lines of communication with each of the subconsultants to coordinate tasks and discuss progress and deliverables.

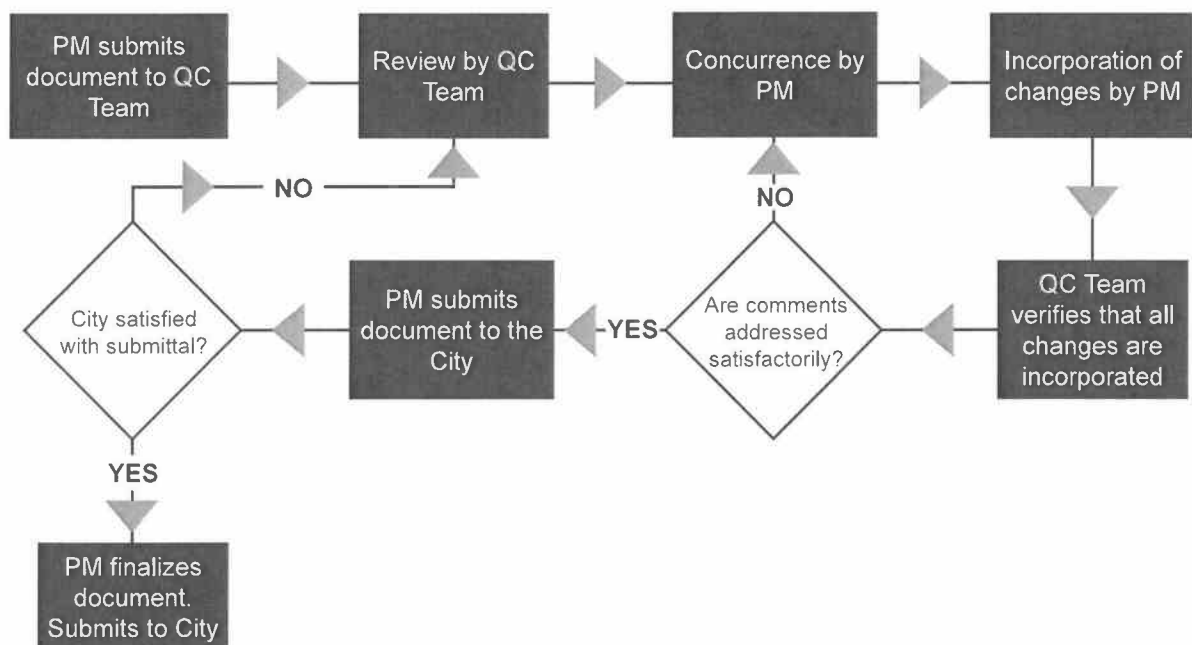
**Strong Quality Control:** The Team commits to delivering studies, plans and specifications that meet the highest standards of our profession. Jose will take the following steps to ensure that our deliverables are permissible, buildable and clear:

- Assign a quality control manager charged with the responsibility of ensuring that the final plans and specifications result in the least possible amount of change orders.
- Meet with the project team at established/periodic intervals and establish accountability.
- Conduct in-house quality control reviews prior to the completion of milestones.
- Ensure that the quality control comments are addressed and resolutions incorporated

## QUALITY ASSURANCE/QUALITY CONTROL

MARLIN is committed to supporting the City to achieve its general engineering objectives. Much of our success over the last 25 years is directly related to our consistent delivery of high quality, timely services. We take great pride in the fact that approximately 85 percent of our services are for repeat clients, which is evidence of our commitment to quality.

In order to maintain the highest level of quality, we will provide an independent quality control review on all deliverables developed under this contract. The depth of our team will allow for a rotation of quality control reviewers so that they will be independent from the Team members that worked on the projects, ensuring the highest quality on all the deliverables. The team for this contract has been specifically selected to include a certain level of redundancy in regards to experience and knowledge to allow for the execution of multiple concurrent tasks and a thorough QA/QC process.



## ABILITY TO PERFORM THE SERVICES EXPEDITIOUSLY

The MARLIN team understands the importance of being “on-call” and available at a moment’s notice. Our team is diverse which allows for an abundant resource of professional staff available as needed to insure each and every project has the creativity, leadership and extensive technical experience essential for this scope of services.

As demonstrated repeatedly with our previous work on similar projects, MARLIN is dedicated to committing its professional resources to insure the greatest workforce flexibility and responsiveness to the City of Delray Beach.

**NO LEARNING CURVE.** Our team has experience working in the City. We understand the local conditions as well as the permitting process and procedure.

**WE ARE “ON-CALL” AS NEEDED.** The depth and strength of our experience, allows us to perform successfully on all of our contracts, responding in a timely manner and keeping projects on time and within budget.



### LOCATION

MARLIN Engineering, Inc.  
1804 N. Dixie Highway  
West Palm Beach, FL 33407  
561.214.3807



C

PROJECTS FOR SIMILAR  
SERVICES



# PROJECTS FOR SIMILAR SERVICES

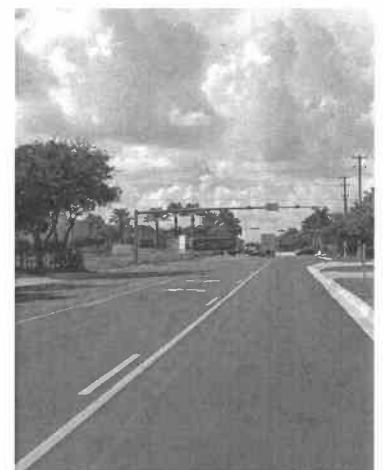
PROJECT NAME	ORGANIZATION/ OWNER NAME	ADDRESS (CITY/STATE)	PROJECT DATE	STATUS OF PROJECT	SCOPE
General Engineering Consultant	Village of Palmetto Bay Ron Williams 305-259-1234	Palmetto Bay, FL	2013 - Current  2003 - 2008	Various Completed & Currently Under Design	Professional Planning and Engineering services including: NPDES permitting and storm water management; roadway design; civil engineering; GIS; utility infrastructure evaluation/review; environmental engineering; surveying; and permitting and inspections.
General Engineering Consultant	City of Doral Jorge A. Gomez 305-593-6740	Doral, FL	2015- Present  2008-2013	Various Completed & Currently Under Design	Professional Engineering services including: Roadway Design; Civil Engineering; Traffic Engineering; Surveying and Environmental Engineering.
General Engineering Consultant	Town of Cutler Bay Alfredo Quintero Jr. 305-234-4262	Cutler Bay, FL	2014-Present  2008-2014	Various Completed & Currently Under Design	General Engineering services including: roadway design; civil engineering; environmental engineering; traffic engineering; transportation planning, surveying and CEI
Hollywood Blvd. Complete Streets	Florida Department of Transportation District 4 Betsy Jeffers 954.777.4061	Hollywood, FL	2016-Present	Design	The City was awarded a grant for approximately \$6.8 million with the condition that the design incorporates various elements of "complete streets". For this project MARLIN used a multimodal approach to roadway planning – instead of widening the street for vehicles, they recommended improvements to create a livable community that is safe for biking, walking, and transit. New design integrates place- making design concepts that bring mixed use and creates a street that is safe and comfortable for children, wheelchair users, and sidewalk retailers.
SR 811 Dixie Highway	Florida Department of Transportation District 4 Bing Wang 954.777.4406	Broward County, FL	2010-2014	Various Completed & Currently Under Design	Civil Engineering, Environmental Engineering, Transportation/Traffic Engineering, Construction/Project Management, Engineering Design Services, Plan & Development Review, Real Estate Services, Land Surveying, Inspection Services, Engineering Studies, Cost Estimating, and Public Involvement
General Engineering Consultant	Town of Miami Lakes Elia Nunez 305-512-7129	Miami Lakes, FL	2012 - Current	Various Completed & Currently Under Design	Civil Engineering, Environmental Engineering, Transportation/Traffic Engineering, Construction/Project Management, Engineering Design Services, Plan & Development Review, Land Surveying, Inspection Services, Engineering Studies, Cost Estimating and Public Involvement
Traffic Engineering Consultant	City of Parkland Sowande Johnson 954-757-4144	Parkland, FL	2016 - Current	Various Completed & Currently Under Design	Civil Engineering, Environmental Engineering, Transportation/Traffic Engineering, Engineering Design Services, Plan & Development Review, Land Surveying, Engineering Studies, Cost Estimating and Public Involvement

# PROJECTS FOR SIMILAR SERVICES PHOTOGRAPHS

## TOWN OF CUTLER BAY, FL



## CITY OF DORAL, FL



## VILLAGE OF PALMETTO BAY, FL

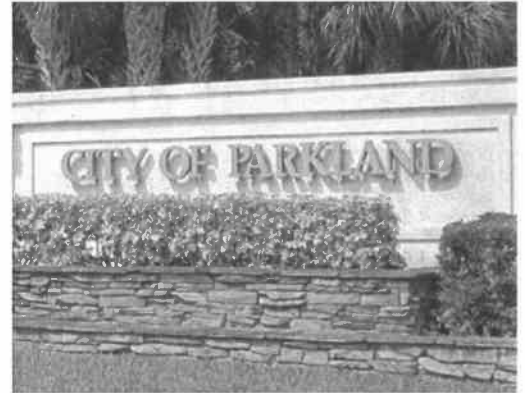




## TOWN OF MIAMI LAKES, FL



## PARKLAND, FL



## HOLLYWOOD, FL



## BROWARD COUNTY, FL



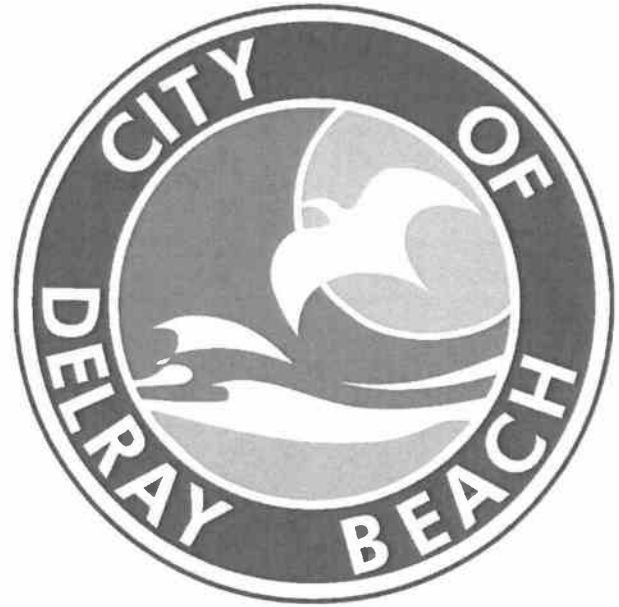
## AVAILABILITY

The MARLIN personnel assigned to this project will be available to perform the work in a timely and responsible manner. MARLIN personnel currently have excess capacity in our workload and are ready to begin serving the City's needs on this contract. We have availability of man-hours to put towards new contracts and we hope that we can provide that time and our services to the City of Delray Beach.

MARLIN utilizes an employee/staff schedule planning calculator based on projected workloads to ensure our clients' desires are met and we are able to protect our reputation for completing projects on-time.

Many organizations have difficulty defining staffing requirements, but MARLIN's planning method has enabled our organization to preserve consistent staffing numbers to respond to our client's needs and requests.

This innovative method of staffing has allowed us to determine the number of productive hours for each staff member, calculate the number of hours required to address projected workloads and establish the optimal number of staff required to complete each project; which improves the overall efficiency of our operations.



# D ORGANIZATIONAL STRUCTURE



PROJECT MANAGER  
Jose Santiago, PE

QA/QC  
Jose Quintana, PE, CBI

PRINCIPAL-IN-CHARGE  
Ramon Soria, PE

CIVIL ENGINEERING  
& ROADWAY DESIGN

Jose Santiago, PE  
Rafael Lagos, PE  
Roxana Matamoros, PE  
Raul Dominguez, PE  
Elias Diaz  
John Blankenship

TRAFFIC ENGINEERING  
STUDIES & DATA

Dalila Fernandez, PE  
Leanne Garcia Fernandez, EIT  
Djemcy Limage  
Abel Martinez, EI  
Harold Pantaleon  
Alexis Gonzalez

BIKE, PEDESTRIAN &  
GREENWAYS

Rafael Lagos, PE  
Jeffrey Weidner  
Jennifer Fierman, AICP  
Eric Katz

SURVEY

Lazaro Fleitas, PSM  
Omar Carcamo

STRUCTURAL DESIGN

Julie Vers, PE  
Barbara Russell-King, PE

ENVIRONMENTAL

Adelis Caban

STRUCTURAL INSPECTIONS

Julie Vers, PE  
Eduardo Vazquez, EI, CBI  
Alexis Rego, CBI

GIS SUPPORT

Eric Katz  
Harold Pantaleon

COMMUNITY OUTREACH  
PUBLIC INVOLVMENT

Jose Santiago, PE,  
Jeffrey Weidner  
Jennifer Fierman, AICP  
Eric Katz

GRANTS / LOAN  
APPLICATIONS FUNDING

Jeffrey Weidner  
Jennifer Fierman, AICP

CONSTRUCTION  
ADMINISTRATION

Miguel Soria, PE  
German Sanchez, EI

# CHAPTER

PUBLIC ENTITY FORM  
DRUG FREE WORKPLACE FORM  
CONFLICT OF INTEREST DISCLOSURE  
ACKNOWLEDGEMENT OF ADDENDA FORM

05

## Form B - Public Entity Crimes

### NOTIFICATION OF PUBLIC ENTITY CRIMES LAW

Pursuant to Section 287.133, *Florida Statutes*, you are hereby notified that a person or affiliate who has been placed on the convicted contractors list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity; may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work; may not submit proposals on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, sub-Proposer, 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 Section 287.017 [F.S.] for Category Two [\$35,000.00] for a period of thirty-six (36) months from the date of being placed on the convicted contractors list.

Acknowledged by:

MARLIN Engineering, Inc.

Firm Name

Signature

May 15, 2017

Date

Jose Quintana, PE, CBI, Executive VP, Operations

Printed Name and Title

### Form C - Drug-Free Workplace

In the event a tie exists at the conclusion of evaluations, preference will be given to the supplier(s) who certifies it has a drug-free workplace program in accordance with Section 287.087, Florida Statutes. The drug-free workplace preference is applied as follows:

TIE: Whenever two or more proposals are equal with respect to scoring for the evaluation criteria (e.g., price, experience, quality, service) are received for the procurement of commodities or contractual services, a proposal received from a supplier that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing a tie will be followed if none of the tied suppliers have submitted this Form C and/or have a drug-free workplace program.

As the person authorized to sign this statement, I certify that this firm complies fully with the following requirements:

- 1) This firm publishes a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- 2) This firm informs employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- 3) This firm gives each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- 4) In the statement specified in subsection (1), this firm notifies the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will abide by the terms of the statement and will notify the employer of any 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 any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
- 5) This firm imposes a sanction on or requires the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
- 6) This firm will continue to make a good faith effort to maintain a drug-free workplace through implementation of this section.

Acknowledged by:

MARLIN Engineering, Inc.

Firm Name

Signature

May 15, 2017

Date

Jose Quintana, PE, CBI, Executive VP, Operations

Printed Name and Title



### Form D - Conflict of Interest Disclosure

The award of the agreement is subject to the provisions of Chapter 112, Florida Statutes. All Proposers must disclose within their Proposal, the name of any officer, director, or agent who is also an employee or relative of an employee of the City of Delray Beach.

Furthermore, all Proposers must disclose the name of any City employee or relative(s) of a City employee who owns, directly or indirectly, an interest in the Proposers firm or any of its branches.

The purpose of this disclosure form is to give the City the information needed to identify potential conflicts of interest for key personnel involved in the award of this contract.

The term "conflict of interest" refers to situations in which financial or other personal considerations may adversely affect, or have the appearance of adversely affecting, an employee's professional judgment in exercising any City duty or responsibility in administration, management, instruction, research, or other professional activities.

Please check one of the following statements and attach additional documentation if necessary:

☒ To the best of our knowledge, the undersigned firm has no potential conflict of interest as defined in Chapter 112, Florida Statutes and Section 2-443, Palm Beach County Code of Ordinances.

☐ The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other Cities, Counties, contracts, or property interest for this RFQ.

Acknowledged by:

MARLIN Engineering, Inc.

Firm Name

Signature

May 15, 2017

Date

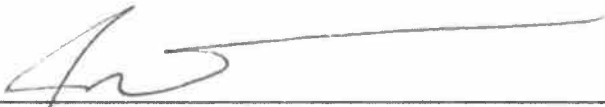
Jose Quintana, PE, CBI, Executive VP, Operations

Printed Name and Title

### Form E - Acknowledgment of Addenda

The Proposer hereby acknowledges the receipt of the following addenda, which were issued by the City and incorporated into and made part of this RFQ. It is the sole responsibility of the Proposer to ensure that all addenda have been received and receipt of each has been acknowledged. Failure to submit acknowledgement of each addendum issued may result in the Proposer being deemed non-responsive.

ADDENDA NUMBER	ADDENDA DATE
Addendum No. 1	April 24, 2017
Addendum No. 2	April 27, 2017
Addendum No. 3	May 4, 2017
Addendum No. 4	May 10, 2017
Addendum No. 5	May 10, 2017

	Executive VP, Operations
Signature of Proposer's Agent	Title
Jose Quintana, PE, CBI	May 15, 2017
Printed Name	Date

# CHAPTER

EVIDENCE OF INSURANCE

06



## CERTIFICATE OF LIABILITY INSURANCE

1/1/2018

DATE (MM/DD/YYYY)

4/11/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	Lockton Companies 3280 Peachtree Road NE, Suite #250 Atlanta GA 30305 (404) 460-3600	CONTACT NAME:		
		PHONE (A/C, No, Ext):	FAX (A/C, No):	
INSURED	MARLIN ENGINEERING, INC. 15802 SW 200 Street Miami FL 33187	E-MAIL ADDRESS:		
		INSURER(S) AFFORDING COVERAGE		NAIC #
		INSURER A: Hartford Casualty Insurance Company	29424	
		INSURER B: Hartford Accident and Indemnity Company	22357	
		INSURER C: Lexington Insurance Company	19437	
		INSURER D: Hartford Insurance Co of the Southeast	38261	
INSURER E:				
INSURER F:				

**COVERAGES**

CERTIFICATE NUMBER: 14678977

REVISION NUMBER: XXXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	N	N	21UUNJA1305	1/12/2017	1/12/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 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
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY	N	N	21URCJA1545	1/12/2017	1/12/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	N	N	21XHUJA1305	1/12/2017	1/12/2018	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$ XXXXXXXX
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	21WBAS3564	1/1/2017	1/1/2018	<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 LIABILITY	N	N	032834125	4/11/2017	4/11/2018	\$2,000,000 PER OCCURRENCE; \$2,000,000 AGGREGATE; \$25,000 DEDUCTIBLE

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

**CERTIFICATE HOLDER**14678977  
PROOF OF INSURANCE ONLY**CANCELLATION**

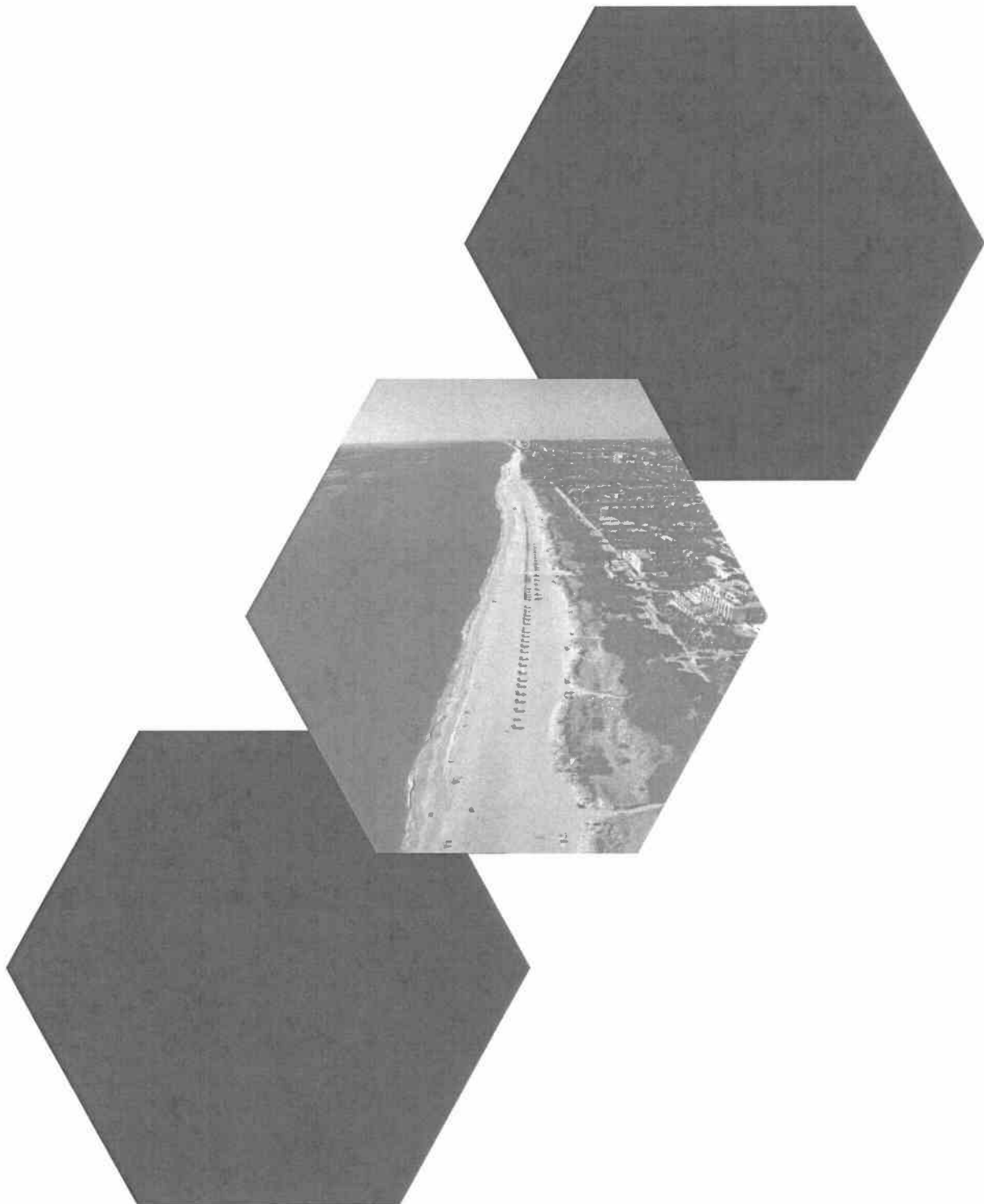
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ACORD 25 (2016/03)

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PREPARED BY:  
MARLIN ENGINEERING, INC.  
1804 N. DIXIE HIGHWAY  
WEST PALM BEACH, FL 33407  
P: 561.214.3807  
[WWW.MARLINENGINEERING.COM](http://WWW.MARLINENGINEERING.COM)

## EXHIBIT "B"



**Category: Civil,  
Transportation Engineering**

**Hourly Raw Salary Rate**

Principal Engineer	\$ 53.42
Project Manager	\$ 33.06
Senior Engineer	\$ 34.61
Engineer I	\$ 20.00
Engineer II	\$ 24.52
Senior Engineering Tech	\$ 25.21
Senior CADD Designer	\$ 21.75
CADD Designer	\$ 20.00
Construction Manager	\$ 30.00
Senior Inspector	\$ 22.00
Office Support	\$ 18.68

### **PRICE ADJUSTMENTS BASED ON GOVERNMENTAL PRICE INDEX**

Prior to the completion of the first year of the Contract term, and every 12-month anniversary thereafter, the City may consider an adjustment to prices based on the most recent 12 month change in the following pricing index: Bureau of Labor Statistics, Employment Cost Index, Private Industry Workers, Total Compensation, Management business and financial occupations, Not Seasonally Adjusted, CIU2010000110000A.

It is Consultant's responsibility to request any pricing adjustment under this provision. For any adjustment to be considered, the Consultant's request for adjustment should be submitted at least sixty (60) days prior to the anniversary date. The adjustment requested shall not be in excess of the relevant pricing index change. If a timely adjustment request is not received from the Consultant, the City may exercise its Option to Renew the Contract for another Term without any pricing adjustment.