



2 | Forms

The undersigned hereby declares that: Johnson, Mirmiran & Thompson, Inc. has examined and accepts the specifications, terms, and conditions presented in this Solicitation, satisfies all legal requirements to do business with the County, and to furnish **Professional Engineering Design Services for Wekiva Trail, Segment 1** for which Submittals were advertised to be received no later than 3:00 P.M. Eastern time on the date stated in the solicitation or as noted in an addenda. Furthermore, the undersigned is duly authorized to execute this document and any contracts or other transactions required by award of this Solicitation.

1.0 TERM OF CONTRACT

The Contract will commence upon the first day of the next calendar month after Board approval, or related Notice to Proceed. The Contract remains in effect until completion of the expressed and implied warranty periods. The County reserves the right to negotiate for additional services/items similar in nature not known at time of solicitation.

2.0 METHOD OF PAYMENT

The Contractor must submit an accurate invoice to the County's using department's email. The date of the invoice must be after delivery but no more than 30 calendar days after delivery. Invoices must reference the: purchase or task order; delivery date, delivery location, and corresponding packing slip or delivery ticket signed by a County representative at the time of acceptance. Failure to submit invoices in the prescribed manner will delay payment.

Payments will be tendered in accordance with the Florida Prompt Payment Act, Part VII, Chapter 218, Florida Statutes. The County will remit full payment on all undisputed invoices within 45 days from receipt by the appropriate County using department. The County will pay interest not to exceed 1% per month on all undisputed invoices not paid within 30 days after the due date.

All pricing will be FOB Destination unless otherwise specified in this solicitation document. Pricing submitted will remain valid for a ninety (90) day period.

Vendor accepts Mastercard for payment: NO

3.0 CERTIFICATION REGARDING LAKE COUNTY TERMS AND CONDITIONS:

I certify that I have reviewed the [General Terms and Conditions for Lake County Florida](#) and accept the Lake County General Terms and Conditions dated 5/6/21 as written including the Proprietary/Confidential Information section. YES Failure to acknowledge may result in Submittal being deemed non-responsive.

4.0 CERTIFICATION REGARDING FELONY CONVICTION:

Has any officer, director, or an executive performing equivalent duties, of the bidding entity been convicted of a felony during the past ten (10) years? NO

5.0 CONFLICT OF INTEREST DISCLOSURE CERTIFICATION:

Except as listed below, no employee, officer, or agent of the firm has any conflicts of interest, real or apparent, due to ownership, other clients, contracts, or interests associated with this project; and, this Submittal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same services, and is in all respects fair and without collusion or fraud. N/A

6.0 CERTIFICATION REGARDING BACKGROUND CHECKS:

Under any County Contract that involves Contractor or subcontractor personnel working in proximity to minors, the Vendor hereby confirms that any personnel so employed will have successfully completed an initial, and subsequent annual, Certified Background Check, completed by the Contractor at no additional cost to the County. The County retains the right to request and review any associated records with or without cause, and to require replacement of any Contractor employee found in violation of this requirement. Contractor shall indemnify the County in full for any adverse act of any such personnel in this regard. Additional requirements may apply in this regard as included within any specific contract award. YES

7.0 DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

The County does not establish specific goals for minority set-asides however, participation by minority and non-minority qualified firms is strongly encouraged. If the firm is a minority firm or has obtained certification by the State of Florida, Office of Supplier Diversity, (OSD) (CMBE), please indicate the appropriate classification(s) not applicable not applicable and enter OSD Certification Number N/A and enter effective date N/A to date N/A

8.0 RECIPROCAL VENDOR PREFERENCE:

Vendors are advised the County has established, under Lake County Code, Chapter 2, Article VII, Sections 2-221 and 2-222; a process under which a local vendor preference program applied by another county may be applied in a reciprocal manner within Lake County. The following information is needed to support application of the Code:

- A. Primary business location of the responding Vendor: Lake Mary, FL
- B. Does the responding vendor maintain a significant physical location in Lake County at which employees are located and business is regularly transacted: NO If “yes” is checked, provide supporting detail: N/A

9.0 GENERAL VENDOR INFORMATION:

Firm Name: Johnson, Mirmiran & Thompson, Inc.
 Street Address: 615 Crescent Executive Court, Suite 106
 City: Lake Mary State and ZIP Code: FL, 32746
 Mailing Address (if different): Click or tap here to enter text.
 Telephone: 407-833-9898 Fax: 407-833-9899
 Federal Identification Number / TIN: 520963531
 DUNS Number: 056278633

10.0 SUBMITTAL SIGNATURE:

I hereby certify the information indicated for this Submittal is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an authorized representative of this Vendor and/or empowered to execute this Submittal on behalf of the Vendor. I, individually and on behalf of the Vendor, acknowledge and agree to abide by all terms and conditions contained in this solicitation as well as any attachments, exhibits, or addenda.

Name of Legal Representative Submitting this Proposal: *Sergio Quevedo, PE, PTOE*

Date: 10/6/2021

Print Name: Sergio Quevedo, PE, PTOE

Title: Vice President

Primary E-mail Address: squevedo@jmt.com

Secondary E-mail Address: kburns@jmt.com

The individual signing this Submittal affirms that the facts stated herein are true and that the response to this Solicitation has been submitted on behalf of the aforementioned Vendor.

[The remainder of this page is intentionally blank]



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Foreign Profit Corporation

JOHNSON, MIRMIRAN & THOMPSON, INC.

Filing Information

Document Number	P05237
FEI/EIN Number	52-0963531
Date Filed	03/07/1985
State	MD
Status	ACTIVE
Last Event	NAME CHANGE AMENDMENT
Event Date Filed	08/16/2005
Event Effective Date	NONE

Principal Address

40 WIGHT AVENUE
HUNT VALLEY, MD 21030

Changed: 03/23/2017

Mailing Address

40 WIGHT AVENUE
HUNT VALLEY, MD 21030

Changed: 03/23/2017

Registered Agent Name & Address

QUEVEDO, SERGIO
2000 E 11TH AVENUE - STE. 300
TAMPA, FL 33605

Name Changed: 07/13/2021

Address Changed: 07/13/2021

Officer/Director Detail

Name & Address

Title Board Member

BURKE, REGIS
40 WIGHT AVE
HUNT VALLEY, MD 21030

Title Board Member

CHENG, DANIEL T
40 WIGHT AVE
HUNT VALLEY, MD 21030

Title EVP/Treasurer

SMULOVITZ, RICHARD
40 WIGHT AVE
HUNT VALLEY, MD 21030

Title PRESIDENT/Chairman of the Board

JOHN, MOELLER A
40 WIGHT AVE
HUNT VALLEY, MD 21030

Title SVP/ Board Member

Stickles, Charles B
272 Bendix Road
Suite 260
Virginia Beach, VA 23452

Title SVP/ Board Member

Rubeling, Albert
40 Wight Avenue
Hunt Valley, MD 21030

Title VP

Watts, Lee A, III
615 Crescent Executive Court
Suite 106
Lake Mary, FL 32746

Title VP

Polk, Danny
2000 E. 11th Avenue
Suite 300
Tampa, FL 33605

Title VP

Dvorak, Robert
2000 E. 11th Avenue
Suite 300
Tampa, FL 33605

Title VP, Secretary

Osborne III, James R
40 Wight Avenue
Hunt Valley, MD 21030

Title EVP, Asst. Secretary, Board Member

Blair, Michael J
40 Wight Avenue
Hunt Valley, MD 21030

Title SVP, Board Member, Asst. Secretary

McCone, David Sean
40 Wight Avenue
Hunt Valley, MD 21030

Title SVP

Figueredo, Jorge C
615 Crescent Executive Court
Suite 106
Lake Mary, FL 32746

Title EVP, Board Member, COO

Natale, Matthew C
40 Wight Avenue
Hunt Valley, MD 21030

Title VP

Quevedo, Sergio C
2000 E. 11th Avenue
Suite 300
Tampa, FL 33605

Title VP

Stickles, David K
2400 East Commercial Blvd.
Suite 800
Fort Lauderdale, FL 33308

Title VP

Hahn, Jason
615 Crescent Executive Court
Suite 106
Lake Mary, FL 32746

Title Senior Vice President, Asst. Secretary

Strizki, Brian J
1200 Lenox Drive
Suite 101
Trenton, NJ 08648

Title VP, Board Member

Cooper, Lisa A
5313 Campbells Run Road
Suite 100
Pittsburgh, PA 15205

Title VP, Board Member

Madden, Eric G
40 Wight Avenue
Hunt Valley, MD 21030

Title EVP, Board Member

McCone, David Sean
40 Wight Avenue
Hunt Valley, MD 21030

Title SVP, Board Member

Rothenheber, Michael J
40 Wight Avenue
Hunt Valley, MD 21030

Title Board Member

South, Jerry
40 Wight Avenue
Hunt Valley, MD 21030

Annual Reports

Report Year	Filed Date
2019	04/25/2019
2020	02/03/2020
2021	01/04/2021

Document Images

07/13/2021 -- Reg. Agent Change	View image in PDF format
01/04/2021 -- ANNUAL REPORT	View image in PDF format
02/03/2020 -- ANNUAL REPORT	View image in PDF format
04/25/2019 -- ANNUAL REPORT	View image in PDF format
08/06/2018 -- AMENDED ANNUAL REPORT	View image in PDF format

07/11/2018 -- Reg. Agent Change	View image in PDF format
03/12/2018 -- ANNUAL REPORT	View image in PDF format
01/24/2017 -- ANNUAL REPORT	View image in PDF format
07/13/2016 -- AMENDED ANNUAL REPORT	View image in PDF format
02/17/2016 -- AMENDED ANNUAL REPORT	View image in PDF format
01/21/2016 -- ANNUAL REPORT	View image in PDF format
02/25/2015 -- ANNUAL REPORT	View image in PDF format
01/16/2014 -- ANNUAL REPORT	View image in PDF format
01/07/2013 -- ANNUAL REPORT	View image in PDF format
01/06/2012 -- ANNUAL REPORT	View image in PDF format
01/06/2011 -- ANNUAL REPORT	View image in PDF format
01/12/2010 -- ANNUAL REPORT	View image in PDF format
01/23/2009 -- ANNUAL REPORT	View image in PDF format
01/31/2008 -- ANNUAL REPORT	View image in PDF format
01/05/2007 -- ANNUAL REPORT	View image in PDF format
09/15/2006 -- ANNUAL REPORT	View image in PDF format
08/16/2005 -- Name Change	View image in PDF format
02/04/2005 -- ANNUAL REPORT	View image in PDF format
02/10/2004 -- ANNUAL REPORT	View image in PDF format
05/05/2003 -- ANNUAL REPORT	View image in PDF format
04/27/2001 -- ANNUAL REPORT	View image in PDF format
02/08/2000 -- ANNUAL REPORT	View image in PDF format
03/04/1999 -- ANNUAL REPORT	View image in PDF format
03/13/1998 -- ANNUAL REPORT	View image in PDF format
02/27/1997 -- ANNUAL REPORT	View image in PDF format
03/06/1996 -- ANNUAL REPORT	View image in PDF format
05/01/1995 -- ANNUAL REPORT	View image in PDF format

Request for Taxpayer Identification Number and Certification

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

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Johnson, Mirmiran & Thomson, Inc.		
	2 Business name/disregarded entity name, if different from above		
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.		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) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
	<input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶ _____		
	5 Address (number, street, and apt. or suite no.) See instructions. 40 Wight Ave		Requester's name and address (optional)
	6 City, state, and ZIP code Hunt Valley, MD 21030		
	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 instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
or									
Employer identification number									
5	2	-	0	9	6	3	5	3	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 for Part II, later.

Sign Here	Signature of U.S. person ▶ <i>Kelly Day</i>	Date ▶ 2/18/2021
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General Instructions

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

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

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, later.



Office of Procurement Services

P.O. Box 7800 • 315 W. Main St., Suite 441 • Tavares, FL 32778

SOLICITATION: Professional Engineering Design Services / Wekiva Trail Segment 1 09/24/2021

Vendors are responsible for the receipt and acknowledgement of all addenda to a solicitation. Confirm acknowledgement by including an electronically completed copy of this addendum with submittal. Failure to acknowledge each addendum may prevent the submittal from being considered for award.

THIS ADDENDUM DOES NOT CHANGE THE DATE FOR RECEIPT OF PROPOSALS.

QUESTIONS/RESPONSES

Q1. Can you provide a link to previous firms' proposals submitted for the Professional Engineering Design Services for Wekiva Trail?


R1. Interested vendors should please note that the information that was provided received proposals for the previous solicitation, 17-0012, are irrelevant to this solicitation and that the scope has changed. Solicitation 17-0012 was never awarded. The previous solicitation submittals for 17-0012 can be found via this link:

<https://lakecountyfl.gov/ftp/procurement/17-0012%20Submittals/>

ACKNOWLEDGEMENT

Firm Name: Johnson, Mirmiran & Thompson, Inc.

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: *Sergio Quevedo* 

Date: 10/6/2021

Print Name: Sergio Quevedo, PE, PTOE

Title: Vice President

Primary E-mail Address: squevedo@jmt.com

Secondary E-mail Address: kburns@jmt.com



REAL FLORIDA • REAL CLOSE
Office of Procurement Services

P.O. Box 7800 • 315 W. Main St., Suite 441 • Tavares, FL 32778

SOLICITATION: Professional Engineering Wekiva Trail, Segment 1

10/01/2021

Vendors are responsible for the receipt and acknowledgement of all addenda to a solicitation. Confirm acknowledgement by including an electronically completed copy of this addendum with submittal. Failure to acknowledge each addendum may prevent the submittal from being considered for award.

THIS ADDENDUM DOES NOT CHANGE THE DATE FOR RECEIPT OF PROPOSALS.

QUESTIONS/RESPONSES

- Q1. Attachment 2 states to include references/projects from within the last 5 years, but in the RFQ it states from the last 3 years.
- R1. The projects must be from within the past five years**
- Q2. Under section 1 – vendor profile, the RSQ is asking for attachment 3 to be completed (reference form). Should that be attachment 2 since attachment 3 is the team composition form?
- R2. Yes. That should reference Attachment 2, as that attachment is the References Form**

ACKNOWLEDGEMENT

Firm Name: Johnson, Mirmiran & Thompson, Inc.

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: *Sergio Quevedo*

Date: 10/6/2021

Print Name: Sergio Quevedo, PE, PTOE

Title: Vice President

Primary E-mail Address: squevedo@jmt.com

Secondary E-mail Address: kburns@jmt.com



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/4/2021

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 Arthur J. Gallagher Risk Management Services, Inc. 11311 McCormick Road, Ste 450 Hunt Valley MD 21031-8622	CONTACT NAME: Certificate Administrator PHONE (A/C. No. Ext): 443-798-7499 E-MAIL ADDRESS: bw2.bsd.certs@ajg.com		FAX (A/C. No.): 443-798-7290
	INSURER(S) AFFORDING COVERAGE		
INSURED Johnson, Mirmiran & Thompson, Inc. 40 Wight Avenue Hunt Valley, MD 21030	37715	INSURER A: Zurich American Insurance Company INSURER B: Continental Insurance Company INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # 16535 35289

COVERAGES

CERTIFICATE NUMBER: 1414549647

REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			GLO017137407	9/1/2021	9/1/2022	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			BAP017137507	9/1/2021	9/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			6011444526	9/1/2021	9/1/2022	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
A	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	WC017137808	9/1/2021	9/1/2022	<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

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: RSQ 22-902

CERTIFICATE HOLDER**CANCELLATION**

LAKE COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA,
 AND THE BOARD OF COUNTY COMMISSIONERS.
 P.O. BOX 7800
 TAVARES FL 32778-7800

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

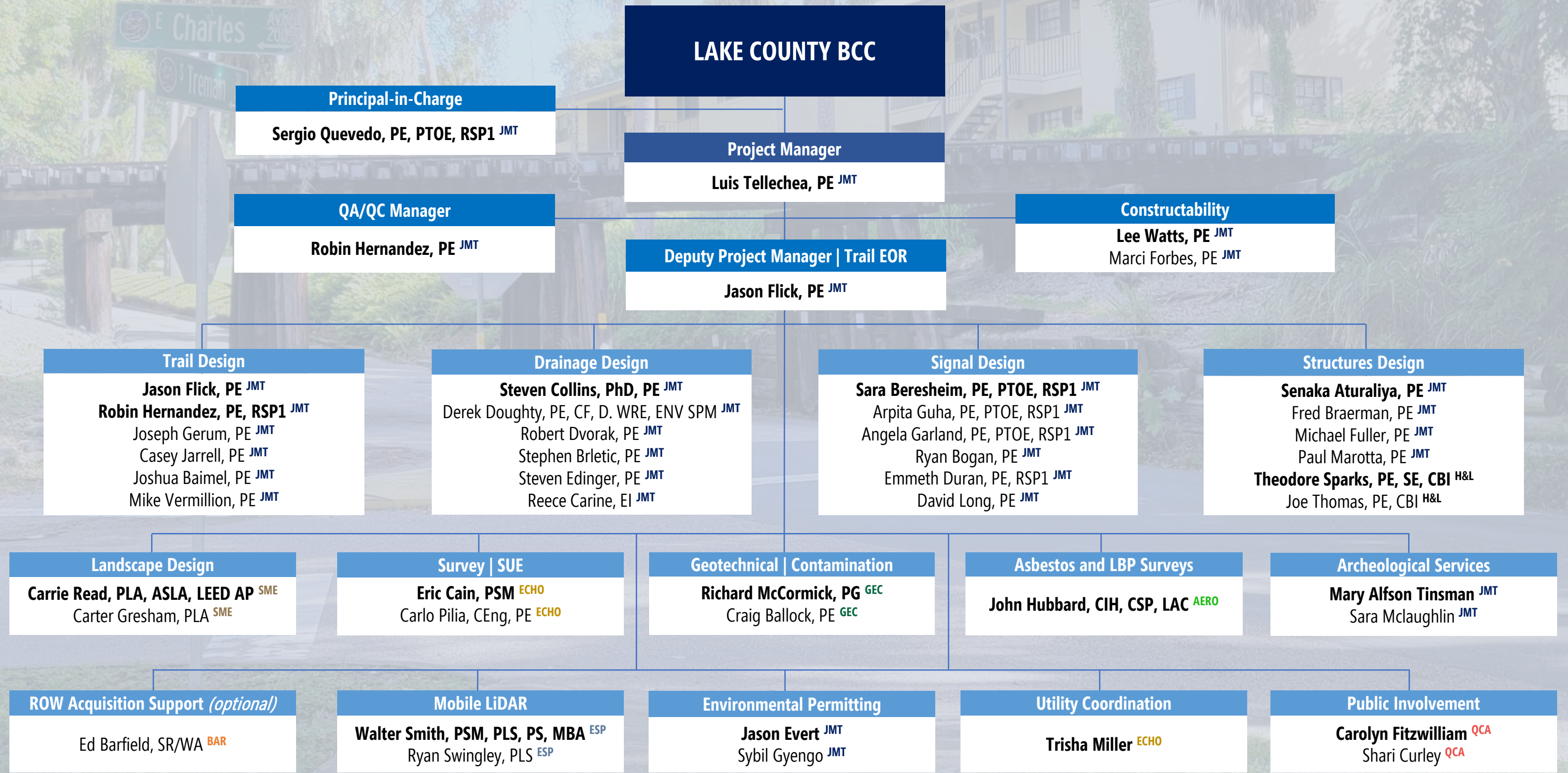
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CONSULTANT

ROLE	Name	City of Residence	Florida Active Registrations Number
Principal in Charge	Sergio Quevedo, PE, PTOE	Seffner, FL	PE 63084 PTOE 2291
Project Manager	Luis Tellechea, PE	Oviedo, FL	PE 58782
Deputy PM Trail EOR	Jason Flick, PE	Lake Mary, FL	PE 74741
QA/QC Trail Design	Robin Hernandez, PE	Seffner, FL	PE 48476
Environmental Permitting	Jason Evert	Jacksonville, FL	
Drainage Design	Steven Collins, PhD, PE	Longwood, FL	PE 80872
Signal Design	Sarah Beresheim, PE, PTOE	Tampa, FL	PE 63951 PTOE 2320
Structures Design	Senaka Aturaliya, PE	Lutherville, MD	PE 86226

SUB CONSULTANTS

ROLE	Company Name	Address	Individual's Name Assigned	Projected % of Overall Work	Worked with Prime before (YES/NO)	Individual Worked with Prime before (YES/NO)
Landscape Design	S&ME, Inc.	1615 Edgewater Dr., Ste. 200 Orlando, FL, 32804	Carrie Read, PLA, ASLA, LEED AP	4	Yes	No
Survey, SUE, Utility Coordination	ECHO UES, Inc.	400 SR 434, Ste. 1024 Oviedo, FL 32765	Carlo Pila, PG	5	Yes	Yes
Geotechnical, Contamination	GEC, Inc.	919 Lake Baldwin Ln Orlando, FL 32814	Richard McCormick, PE	3	Yes	Yes
Asbestos and LBP Surveys	Aerostar SES, LLC	535 Cooper Commerce Dr. #300 Apopka, FL 32703	John Hubbard, CIG, CSP, LAC	1	No	No
Mobile LiDAR	ESP Associates	518 13th Street West Bradenton, FL 34205	Walter Smith, PSM, PLS, PS, MBA	5	Yes	Yes
Public Involvement	Quest Corporation of America, Inc.	17220 Camelot Ct., Land O'Lakes,	Carolyn Fitzwilliam	2	Yes	Yes
ROW Acquisition Support	Barfield Group, LLC	1609 Cardinal Rd, Orl, 32803	Ed Barfield, SR/WA	1	Yes	Yes
Structures Design, Trail Design	Heath and Lineback, Inc.	2400 Maitland Cntr Pkw, Maitlan	Theodaore Sparks, PE, SE, CBI	10	No	No



Bold Name – Resumes Included



PROJECT MANAGER

Luis Tellechea, PE

Education

B.S., Florida International University,
1997

Registration

Professional Engineer: FL 58782

Years of Experience

27

Mr. Tellechea specializes in the planning and design of interchanges, highways, and transportation infrastructure. He has 26 years of experience working on projects for several FDOT Districts as well as FTE, Miami-Dade Expressway Authority (MDX), CFX, Texas Department of Transportation (TxDOT), Virginia Department of Transportation (VDOT), U.S. Virgin Islands Public Works Department, and local counties and municipalities. Tellechea has been successful with DB project pursuits and is a skilled Client Relations Manager, Transportation Department Manager, and Senior Project Manager. He has experience designing for roadways, highways, and interchanges, including pavement design; design variances and exceptions; signing and pavement markings; MOT schemes; drainage analysis; signalization; QA/QC of plans; and the authoring of RRR reports for FDOT. Mr. Tellechea has been the QA/QC reviewer for interchange, milling and resurfacing, concrete rehabilitation, and urban arterial and rural highway design projects. Clients have included CSX; FDOT Districts One, Three, Four, Five, and Seven; the Jacksonville Transportation Authority; Collier County; and the U.S. Virgin Islands Public Works Department.

Phase 4B and 5 East Central Regional Trail Rail, Volusia County. *Volusia County Public Works Project Engineer* for the Design and construction of a 12' wide asphalt shared-use path along the existing East Central Florida Regional Rail Corridor from Gobbler's Lodge Road to Maytown Spur Road (Phase 4B), and from the Brevard County Line to Cow Creek (Phase 5) for a total length of approximately 19.74 miles. Also included in the project is the construction of two trailheads, one at Gobblers Lodge Road and one at Maytown Spur Road. Design considerations for the planned improvements include the necessary signs and pavement markings; rest areas on an 8' wide concrete pad adjacent to the path.

Orange Blvd. (CR 431) Safety Improvements, Seminole County. *Seminole County Public Works, QA/QC Manager.* This project includes the reconstruction of three miles of an existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail. This

contract consisted of a Preliminary Engineering Study to evaluate alternatives followed by a final design component to prepare final construction plans.

Partin Settlement Road Reconstruction. *Osceola County, QA/QC Manager.* This project involves of an alternative evaluation (Part A) followed by development of design plans for construction (Part B) of Partin-Settlement Road from Neptune Road to Lakeshore Blvd. The total project length is approximately 2.7 miles. The road will be reconstructed as a four-lane divided highway with multimodal accommodations, drainage improvements, modifications of the signalized intersections, upgrading ITS, modification/replacement of a double box culvert over Fish Lake Canal, street lighting and landscaping.

Design/Build of Wekiva Parkway 4A/4B from CR 435 to SR 4. *FDOT District 5.* Project Manager for the construction of the new Wekiva Parkway in Lake and Orange County. The new alignment consists of a 4-lane divided limited access facility with a new interchange at SR 46. The project includes a new floodplain bridge and toll site plan. **This project won the Florida Institute of Consulting Engineers (FICE) 2016 Outstanding Environmental Project of the year award.**

I-95 from North of NW 29th Street to south of NW 131st Street (Design/Build). *FDOT District 6.* Project Manager for the reconstruction of 3.041 miles of SR-9A/I-95 mainline pavement, shoulder pavement, on and off ramp improvements, drainage infrastructure improvements and improvements to 5 bridges in the corridor as indicated on the conceptual drawings. In addition, the project includes the construction of Express Lanes Emergency Stopping Sites in the median at 5 locations between NW 62nd St (MP 6.213) and NW 131st St (MP 10.511). **This project won the 2020 Florida Transportation Builders of America (FTBA) Interstate project of the year.**

SR-589 (Veteran's Expressway) Design/Build Widening from Sugarwood Toll Plaza to Van Dyke Road, Hillsborough County, FL. *Florida's Turnpike Enterprise.* Project Manager for this major highway project to increase capacity on the Veterans Expressway toll road between the Sugarwood Toll Plaza and Van Dyke Road. This \$51M design-build project will introduce express lanes into the middle of a highly urbanized section. One general use lane and one express lane in each direction will be added throughout the limits, tied to similar projects on Veterans Expressway to the south. **This project won the 2019 Florida Transportation Builders of America (FTBA) Design Build Project of the year and 2019 DBIA Florida Region Design-Build Merit Award.**

I-95 Express Lanes Phase 3C Segment 1A and 1B, Design-Build Broward County, Florida. *FDOT District 4.* Project Manager for I-95 Segment 1A and 1B to widen and mill and resurface I-95 from South of Hollywood Blvd to C-10 canal a total length of 2.7 miles as well as



the widening of Pond Apple Slough bridge on I-595. Responsible for project manager activities, plans preparation oversight, traffic control plans, subconsultant coordination, and RFI's.

Mills Ave (US 17/92) at Marks Street / Lake Highland Drive. *City of Orlando.* Project Manager and Engineer-of-Record for the intersection improvements of Mills Ave at Marks Street and Lake Highland Drive for the City of Orlando. Work included ADA ramps, drainage improvements, streetscaping and signal design.

NW 57th Ave (Red Road) from W 19th Street to W 45th Street in Hialeah, Florida. *FDOT District 6.* Project Manager for the final design and plans production for approximately 2 miles including roadway geometry and drainage, signing & pavement markings, maintenance of traffic, traffic signals and roadway lighting.

Bailey Road from NW 64th Street to SR 7 in Broward County, Florida. *Broward County Department of Public Works* Project Manager for the final design of a 2 mile, 2-lane arterial to a 4-lane urban section including roadway geometry and drainage, signing & pavement markings, maintenance of traffic, traffic signals and roadway lighting.

I-4/Turnpike Express Direct Connect Design-Build Florida's Turnpike Enterprise (FTE), Orange County, Florida. *Florida's Turnpike Enterprise.* QA/QC of roadway plans for a major direct connect flyover from the Turnpike's express lanes to the I-4 express lanes. Work included QA/QC of the widening, milling and resurfacing, maintenance of traffic and project design computation book for this design build project for FTE.

RFP Package Preparation for Wekiva Segment 6. Author of the RFP package. *FDOT District 5.* Duties included the coordination of the package with FDOT, attending meetings with FDOT, data gathering of all pertinent information (attachments and reference documents) and assembling the package for bid purposes.

Design/Build of I-95 From SR-44 to US-92 including systems interchanges at I-4 and US 92 in Volusia County. *FDOT District 5.* QA/QC for the maintenance of traffic plans for the widening of I-95, including CD roads and the complete reconstruction of the I-4 and US-92 interchanges. This project met aggressive deadlines for completion in advance of the opening of "Daytona Rising" in January 2016. The team's innovative approach to the project saved nearly \$30M in Right-of-Way costs and \$40M of construction costs compared to the programmed amount.

SR 417 Widening Design from Curry Ford Road to Lake Underhill in Orange County. *Central Florida Expressway Authority (CFX).* Project Manager and Engineer-of-Record for the widening from 4 to 6 lanes and the rehabilitation of SR 417 from the Curry Ford Road to Lake Underhill, at total length of 2 miles. Responsible for the plans preparation oversight, traffic control plans, cost estimates, schedule, subconsultant coordination and progress meetings.

Design/Build of I-95 from the St. Lucie County Line to North of the SR-60 Interchange. *FDOT District 4.* Project Manager and Engineer of Record for the widening of I-95 to six lanes including reconstruction of the SR 60 interchange. Project also includes reconstruction of three mainline twin bridge structures located at 90th Avenue, 4th Street, and SR 60.

Design/Build of I-95 Widening Design-Build from Malabar Road to Palm Bay Road. *FDOT District 5.* Project Manager and Engineer-of-Record for the Design Build project for the widening and rehabilitation of I-95 from the Malabar Road line to North of Palm Bay Road, at total length of 4.167 miles. Responsible for the Project management, plans production and construction shop drawings and RFI's.

Design/Build of SR 826 / SR 836 Interchange (Section 5) Design-Build-Finance. *FDOT District 6.* Responsible for the QA/QC for the traffic control plans on this \$559 million project. This included the MOT required to support the reconstruction of the four (4) level interchange which handles over 400,000 vehicles per day.

I-10 Rest Areas Jefferson County EB & WB & Leon County EB & WB. *FDOT District 3.* Project Manager and Engineer-of-Record for the analysis and preparation Rest Area Assessment Report and preparing a set of roadway construction plans for the four rest areas along I-10 in Jefferson and Leon County. The projects will include the widening of the existing parking lot, the resurfacing of the existing asphalt loops and the extension of the acceleration and deceleration ramps along I-10. The project also includes the replacement of the existing wastewater treatment plant at Jefferson County.

SR 75 (US 213) From South of Pipeline Road to North of Penny Road, Bay County, FL. *FDOT District 3.* QA/QC for this capacity reconstruction project that will widen and reconstruct 6.12 miles of SR 75 from a four-lane divided urban to a six lane divided suburban typical section from South of Pipeline Road to North of Penny Road, including the construction of new bridges for a grade separated intersection at CR 390 and Titus Road/Star Avenue.



DEPUTY PROJECT
MANAGER | TRAIL EOR
Jason Flick, PE

Education

B.S., Civil Engineering, University of Central Florida, 2006

M.S., Civil Engineering with Transportation Systems emphasis, University of Central Florida, 2008

Registration

Professional Engineer: FL 74741
Advanced MOT Certified

Years of Experience

14

Mr. Flick has more than 14 years of civil and transportation engineering experience in Florida. He has served in an array of roles in a variety of engineering projects for the Florida Department of Transportation (FDOT). His design experience includes Resurfacing, Rehabilitation, and Restoration (3R) projects, reconstruction, and new construction, including aspects such as asphalt and concrete pavement design, geometric design, public involvement, drainage design, shared-use path, and sidewalk construction. Formerly, Mr. Flick was a pavement designer for FDOT District 5, working on all District 5 projects involving pavement design, cross-slope correction review, and constructability. These projects ranged from resurfacing to complete reconstruction and contributed to his comprehensive knowledge of Florida's road system. His expertise includes roadway design, pavement design, pavement constructability, cross-slope correction, pedestrian and bicycle facility design, geometric design, and scope development.

Orange Blvd. (CR 431) Safety Improvements, Seminole County, Florida's Turnpike Enterprise, Project Manager. This project includes the reconstruction of three miles of an existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail. This contract consisted of a Preliminary Engineering Study to evaluate alternatives followed by a final design component to prepare final construction plans.

SR 46 Wekiva 7B Reconstruction, Seminole County, FDOT District 5. Project Manager and Project Engineer. This project included widening and reconstruction of SR 46 into a 6-lane divided urban roadway to tie into the recently completed I-4/SR 46 interchange. The improvements were part of FDOT's Central Florida Beltway. The project typical section included a raised median, three travel lanes in each direction, turn lanes, bike lanes, curbs and gutters, and sidewalk.

SR 46 Wekiva 3B Reconstruction, Lake County, FDOT District 5. Project Manager and Roadway Engineer of Record – Post Design Services. This project included 1.2 miles of SR 46, 1 mile of US 441, and the reconfiguring of the interchange at SR 46 and US 441 in Lake County. This is the first segment of a multi-segment project to complete the western portion of the outer beltway around Orlando. Jason has worked closely with the CEI engineer to ensure the project runs smoothly during construction. Throughout construction, several utility permits were reviewed to avoid conflict with the final construction through the FDOT's One Stop Permitting review system.

Coast to Coast Trail – Orange County Gap Segment #2, Orange County, FDOT District 5. Project Manager and Roadway/Trail Engineer of Record. The Phase II Design of the Orange County Gap (Section 2) of the Coast to Coast Trail in northwest Orange County is a 3.9-mile section from the Hiawasse Road/Clarcona-Ocoee Road intersection to the junction of US 441/SR 414. The project included the design of trail geometry, ramp widening, milling and resurfacing, drainage design, minor structure design, the design of special pedestrian accommodations during construction, a roadway lighting impact evaluation, signal upgrades, permitting, utility coordination, public involvement, and trail signing/marketing design.

SE 4th St. Reconstruction, City of Gainesville. Project Manager Post-Design Services. This project consists of roadway, drainage and lighting improvements as part of the complete reconstruction of SE 4th Street from Williston Rd, SR 331 to SE Depot Avenue. Additionally, the improvements included the culvert replacement at Sweetwater Branch crossing to prevent flooding of the new roadway, 2 stormwater treatment ponds, raised bicycle lanes, 5 sidewalks and new bus pads.

Partin Settlement Road Reconstruction, Osceola County, Roadway Engineer of Record. This project involves of an alternative evaluation (Part A) followed by development of design plans for construction (Part B) of Partin-Settlement Road from Neptune Road to Lakeshore Blvd. The total project length is approximately 2.7 miles. The road will be reconstructed as a four-lane divided highway with multimodal accommodations, drainage improvements, modifications of the signalized intersections, upgrading ITS, modification/replacement of a double box culvert over Fish Lake Canal, street lighting and landscaping.

SR 5/US 1 (3R), Volusia County, FDOT District 5. Engineer of Record. This RRR project was for resurfacing, turn lane widening, drainage improvements, sidewalk construction, signalization, and signing and striping of 2.5 miles of SR 5. Project involved adding sidewalk along a rural typical section, which included the piping of ditches to achieve the desired sidewalk location. Other elements included heavy public



involvement with the City of Port Orange to include future irrigation pipes through a local funding agreement. Throughout the life of the project, several utility permits were reviewed to avoid conflict with the final construction through the FDOT's One-Stop Permitting review system.

SR 400 (3R), Volusia County, FL, FDOT District 5. Project Manager and Roadway Engineer-of-Record. This RRR project included resurfacing, drainage improvements, sidewalk construction, signalization, and signing and striping of 2.4 miles of SR 400 which is heavily used by the blind community of Daytona Beach. The project involved adding sidewalk along an urban typical section with very limited ROW. Additional tasks included adding an audible pedestrian system at two current intersections, as well as an extensive public involvement effort.

SR 514 Widening, Brevard County, FL, FDOT District 5. Project Manager and Roadway Engineer-of-Record. This project was an intersection improvement project that added turn lanes at two intersections on a rural two-lane roadway. The project involved ROW acquisition, pavement design, variations, and coordination with the Town of Malabar for land designated as part of a trust. The upgrades were interim improvements until the ultimate widening project is developed. Coordination of ROW was required between the two projects and coordination with the Town of Malabar has been ongoing throughout the project.

SR 15 Anderson Street Resurfacing, Restoration, and Rehabilitation (RRR), Orange County, FL, FDOT District 5. Engineer of Record. This 3R project involved resurfacing, drainage improvements, and signing and striping of 0.43 miles of SR 15. It was determined early on that a drainage inlet would need to be added to combat flooding issues at the beginning of the project. This project also corrected cross-slope within an urban typical section by milling in the desired slope and using the existing parking lanes for excess slope correction.

Safe Routes to School Sidewalk Construction, Manatee County, FL, FDOT District 1. Roadway Engineer of Record. This sidewalk design is along 0.75 miles of 12th Street in Manatee County. This project involved adding sidewalk as part of the Safe Trips to School Initiative for FDOT District 1. The project involved drainage details to update outdated inlets to meet ADA requirements.

Loxahatchee Rd. from Arthur Marshall Loxahatchee Refuge to SR 7/US-441, Broward County, FL, FDOT District 4. Roadway Engineer. This project involves reconstruction of Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 to accommodate 11 lanes, 5-ft bike lanes in each direction, and sidewalk on the south side. Loxahatchee Road is an existing 2-lane rural sections that is 6.2 miles long. Project challenges include accommodating three (3) roundabouts within limited right-of-way, maintaining traffic during construction, and coordination between the various stakeholders (FDOT, City of Parkland, Broward County, adjacent construction projects). Wetlands were delineated on Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US-441.

SR 826/Sunny Isles Boulevard from NE 35 Avenue to SR A1A/Collins Avenue, Miami-Dade County, FL, FDOT District 6. Roadway Engineer for this RRR project with safety improvements within an urban segment of SR 826 in the City of Sunny Isles Beach, FL. The project proposes to mill and resurface the bifurcated segment of SR 826 from east of the Intracoastal Waterway to SR A1A, including all inner and outer loop ramps; scope includes reconstruction of substandard pedestrian ramps, upgrading/installing guardrail and end treatments, signing and pavement markings (including addition of bicycle lanes), signalization improvements (new mast arm at NE 35 Ave and new pedestrian features at mid-block crossing on EB SR 286), and safety enhancements at N Bay Rd and several ramps to reduce crashes.

Districtwide Quality Assurance, Various County, FDOT District 5. Project Manager and Lead Reviewer of construction plans and supporting documentation to verify compliance with the Department's design policies, procedures, standards, manuals, handbooks, guidelines, and other applicable requirements. As part of this project, Jason has also performed as the District Pavement Engineer providing review of pavement designs and attending pavement constructability reviews. Jason has also performed thorough estimate audits for the district.

SR 20 E of SR 65 to Ochlockonee River Bridge (RRR), Liberty County, FL, FDOT District 3. Project Manager/Roadway EOR. This 3R project consisted of resurfacing SR 20, which is also a designated Hurricane Evacuation Route, from east of SR 65 to the Ochlockonee River Bridge in Liberty County, FL. As right-of-way varied throughout the project limits, additional right-of-way was required to accommodate a new westbound right turn lane onto SR 267 (Pat Thomas Parkway). Striping and guardrail upgrades to the existing four bridges were also part of the project scope.

SR 520 Resurfacing, Restoration, and Rehabilitation (RRR), Brevard County, FDOT District 5. Project Manager/Roadway Engineer of Record. This 3R project was performed in conjunction with three additional projects. Mr. Flick worked closely with the project manager to coordinate all four projects to verify that consultants maintained the challenging schedule. The project involved resurfacing, replacing seven signals and relocating one, landscaping, shoulder and sidewalk construction and drainage improvements for 2.3 miles of SR 520. The signal relocation required relocating a median opening and a public hearing. This project also involved close coordination with the Merritt Island Redevelopment Agency (MIRA).



PRINCIPAL-IN-CHARGE
**Sergio Quevedo, PE,
 PTOE, RSP1**

Education

BS, Civil Engineering, University of Florida, 2000

MS, Civil Engineering, University of Florida, 2001

Registration

Professional Engineer: FL 63084

Professional Traffic Operations Engineer (PTOE) 2291

Road Safety Professional – Level 1: 676

Years of Experience

19

Mr. Quevedo has 19 years of experience in managing a staff of technical personnel performing traffic operational and safety studies, ADA assessments, signing and pavement marking design, signalization design, ITS design, and lighting design. He currently serves as JMT's Florida Regional Manager and Tampa Office Manager. In this role he oversees all of the operations throughout Florida ensuring that JMT's Florida clients get high quality services and deliverables.

Districtwide Safety Studies and Minor Design, Tampa, FL. *FDOT District 7.* Principal-in-Charge/QA/QC Manager. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent tasks include Engineering Support Services, Severe Crash Location Reviews, Road Safety Audits and Safety Assessment Reports, Pasco Countywide Bicycle Safety Action Plan, Corridor Lighting Prioritization Safety Reviews & Studies, Pedestrian/Bicycle Engineering Safety Initiative, Mid-Block Crossing Studies, and Analyses for Additional Crossings at Signalized Intersections. Design tasks include Dale Mabry Highway Lighting, Signal installation at SR 574 (MLK) at 26th Street, Hillsborough Avenue HAWK installation, and US 19 Pedestrian Improvements.

City of Tampa Design – Continuing, Tampa, FL. *FDOT District 7.* Principal-in-Charge/QA/QC Manager. JMT was selected to provide design services for the City of Tampa on this Continuing Services contract through FDOT District 7. Individual work orders will identify the design of miscellaneous improvements including, but not limited to, complete streets, streetscape/urban design, shared-use paths and sidewalks, protected bicycle lanes, roadway-based transit, safety (Vision Zero), RRR, minor drainage, and intersection operational improvements. The first task is a Basis of Design report for Tampa Palms Boulevard (Ebensburg Drive to Bruce B. Downs Blvd.). This project provides for corridor-wide maintenance, operational, multi-modal, safety and traffic calming improvements on Tampa Palms Boulevard between Ebensburg Drive and Bruce B. Downs Blvd. The project includes operational and safety improvements to the two intersections of Compton Drive with Tampa Palms Blvd, and roadway improvements for the remaining 4-mile loop to accommodate bicycle and pedestrian facilities, including traffic calming, reduced posted speeds, enhanced crosswalks, sidewalks, and pavement resurfacing. This includes survey, geotechnical investigation, pavement analysis, arborist work, and traffic data collection and analysis.

US 92/SR 600/Hillsborough Avenue at N. 48th Street, Tampa, FL. *FDOT District 7, City of Tampa.* Principal-in-Charge/QA/QC Manager. JMT is providing professional engineering services for to install a new HAWK across Hillsborough Avenue in Tampa, FL. The project includes a new mast arm, crosswalk lighting, and providing sidewalk and crosswalk improvements necessary to accommodate ADA criteria for the new crossing.

US 19 Intersections, Pinellas County, FL. *FDOT District 7.* Principal-in-Charge/QA/QC Manager. JMT performed traffic engineering services along US 19 at several intersections where pedestrian signals were needed at four existing signalized intersections. JMT provided roadway, signals, signing and marking design and plans production for this project.

SR 574/Dr. Martin Luther King Jr. Boulevard at N. 26th Street Traffic Signal Design, Tampa, FL. *FDOT District 7, City of Tampa.* Principal-in-Charge/QA/QC Manager. JMT is providing professional engineering services as part of a JPA between FDOT and the City of Tampa to install a new traffic signal at the intersection of SR 574 at 26th Street in Tampa, FL. The project includes new mast arms, intersection lighting, and providing sidewalk and crosswalk improvements necessary to accommodate ADA criteria at the intersection.

Perdido Key Drive at Flora-Bama Pedestrian Signal, Escambia County FL. *FDOT District 3.* Project Manager. JMT designed and installed the pedestrian signal as an HSIP funded safety project due to the extremely high pedestrian activity across US 98/SR 292 (Perdido Key Drive). The project included the installation of a raised mid-block crosswalk, lighting, and signing in addition to the pedestrian signal. This project was coordinated with multiple stake holders including District 3, the Alabama DOT, the Flora-Bama, and adjacent project development.

SR 10 (US 90A) East Nine Mile Road from Palafox Street to Chemstrand Road, Escambia County FL. *FDOT District 3.* Project Manager. JMT is designing and preparing contract documents for improvements of Alt US 90 (Nine Mile Road) from Palafox Street to Chemstrand Road in Escambia County. The roadway and safety improvements along Nine Mile Road comprised the installation of medians, paved



shoulders, minor resurfacing, and the removal of tapered acceleration lanes. Improved pedestrian facilities (pedestrian signals and sidewalks) were also included. These enhancements were constructed on time and within budget.

Pebble Beach Boulevard between Cherry Hills Drive and Council Drive, Sun City Center, FL. *Hillsborough County.* Principal-in-Charge/QA/QC Officer. JMT designed a designated midblock crosswalk with pedestrian activated signalization along Pebble Beach Boulevard. The project included the design of a mast arm support with dual arms in the median. Also included the design of new curb ramps, sidewalk within the median and lighting meeting the horizontal and vertical FDOT criteria within the crosswalk.

Howard Avenue from Kennedy Boulevard to Saint Louis Street, Tampa, FL. *Hillsborough County, FL.* Principal-in-Charge/QA/QC Manager. JMT prepared design plans for completion of the resurfacing improvements for North Howard Avenue for approximately 1.340 miles within the City of Tampa. The project included milling and resurfacing, ADA improvements, curb ramps, and safety upgrades. Other items of note included removal of brick pavement, and addition of advanced signing and crosswalk markings at existing crosswalks. The lane widths were evaluated, and, at the request of the City of Tampa, the lane widths were reduced. Buffered bike lanes and on street parking was added where additional space was available. Also, at the request of the City of Tampa, the design speed was reduced from 40 mph to 35 mph. Pedestrian flashing beacons were installed at Spruce Street, Beach Street, Cherry Street, Gray Street, Cass Street and Palmetto Street to promote pedestrian safety in accordance with the Tampa MOVES initiative and Vision Zero. Utility coordination and subsurface utility investigation were completed for the installation of the pedestrian signals.

Harvest Hope Midblock Crosswalks, Tampa, FL. *Hillsborough County, FL.* Principal-in-Charge/QA/QC Manager. JMT provided full engineering, environmental, and water resource services to a state grant project for a 7-acre community park located in the University Area in Tampa, FL, near USF. JMT is designing raised mid-block crossings within the vicinity of the park along 19th Street, 20th Street, and 138th Avenue as part of the area-wide safety improvements. This includes other traffic calming measures, such as updated signing and markings and traffic separator. Additional pedestrian improvements such as ADA ramps and drainage will also be done as a part of this project.

Westshore Boulevard from Kennedy Boulevard to Spruce Street, Tampa, FL. *Hillsborough County, FL.* Principal-in-Charge/QA/QC Manager. JMT has prepared design plans for completion of the resurfacing for North Westshore Boulevard for approximately 0.920 miles within the City of Tampa. This project includes milling and resurfacing, ADA improvements, curb ramps, and safety upgrades. Pedestrian flashing beacons were installed at one mid-block location. Other items of note included the addition of high emphasis or texturized crosswalk markings at multiple side streets and addition/replacing of pedestrian signals. The lane widths were evaluated, and, at the request of the City of Tampa, the lane widths were reduced. Also, at the request of the City of Tampa, the design speed was reduced from 45 mph to 35 mph in accordance with the Tampa MOVES initiative and Vision Zero. There were also multiple driveway closures to reduce driver confusion and promote ADA compliant walking path. Traffic signal loops were examined and replaced if the conditions were poor or would be damaged by the resurfacing. This sparked coordination with not only the City of Tampa, but also the Westshore Alliance, and the Westshore Plaza for a right of entry agreement to replace loops outside of the existing right-of-way.

Waters Avenue from Armenia Avenue to Nebraska Avenue, Tampa, FL. *Hillsborough County, FL.* Principal-in-Charge/QA/QC Manager. JMT prepared design plans for completion of the resurfacing improvements for Waters Avenue for approximately 2.014 miles within the City of Tampa. The project included milling and resurfacing, ADA improvements, curb ramps, and safety upgrades. Pedestrian flashing beacons were installed at two mid-block locations. Other items of note included replacement of sidewalk segments and replacement of loop detectors at the signalized intersections. Also, at the request of the City of Tampa, the design speed was reduced from 40 mph to 35 mph. The TTCP included pedestrian detours that were designed and detailed in the plans.

Nature's Way Boulevard Corridor Improvements, Tampa, FL. *Hillsborough County.* Principal-in-Charge/QA/QC Manager. This 1.5-mile design project involves reducing a four-lane undivided stretch of Nature's Way Boulevard to a two-lane divided roadway with a designated bicycle lane. The raised median includes irrigation sleeves for the homeowner's association to install landscaping in the future. There are green bike lane and share the road markings.

US 301/SR 43 at Riverview Drive, Riverview, FL. *Hillsborough County, FL.* Principal-in-Charge/QA/QC Manager. JMT designed the reconstruction of the traffic signal at the intersection of US 301 / SR 43 and Riverview Drive in Hillsborough County. The project included milling and replacing the intersection, signing and marking improvements, replacing the span wire signal with mast arms, pedestrian signals and upgrading the curb ramps to meet ADA requirements, relocate the existing ITS fiber and copper communication.

US 41 at Sunset Lane/Crystal Grove Boulevard, Lutz, FL. *Hillsborough County.* Principal-in-Charge/QA/QC Manager. JMT designed intersection improvements to add turn lanes and upgrade signalization features at the intersection of US 41 and Sunset Lane. Access management and median design are a key element to this project, due to heavy use of the side street by the US Post Office. The signalization design included a span wire support in a box configuration, loop detection, and included the use of four-section heads with flashing yellow arrows. The signal design also included coordination with CSX and railroad preemption.



CONSTRUCTABILITY REVIEW

Lee Watts, III, PE

Education

B.S. Civil Engineering, Auburn University, 1982

Registration

Florida PE Cert. No. 38866
Alabama PE Cert. No. 29857-E
Georgia PE Cert. No. 033450

Years of Experience

36

Mr. Watts' 36 years of CEI experience includes roadway and bridge construction projects for FDOT Districts 1, 2, 3, 4, 7 and the Turnpike. His unique expertise includes conventional and design-build contract administration on extensive interstate/toll facilities, claim analysis and resolutions, CPM scheduling, project constructability issues, specialized maintenance of traffic alignments, and DRB proceedings. In addition to his proven technical performance on signature projects along I-75 and I-95, Mr. Watts' proactive management approach and dedication to client service have been instrumental to his success on numerous FDOT contracts.

December 2017 – Present: Direct Connect Ramps to/from I-4 (SR-400) and Turnpike Mainline (SR-91) & Implementation of Express Lanes on Turnpike Mainline (SR-91) from the Beachline (SR-528) to I-4 (SR-400) (Design-Build), Orange County, FL. Florida's Turnpike Enterprise (FM Nos. 437166-2-52-01 & 437987-1-52-01), (Johnson, Mirmiran & Thompson). Senior Project Engineer. The primary scope of the project is the construction of direct connectivity ramps (2,140 LF) from the Turnpike mainline (SR-91) to and from I-4 (SR-400) between MP 253.581 and MP 260.506 to improve traffic operations and safety at the interchange. Six existing toll sites within the project limits will be replaced with the implementation of all-electronic tolling (AET). The project also includes the implementation of express lanes on the Turnpike mainline between the Beachline (SR-528) and I-4 and operational improvements at the Consulate Drive southbound off-ramp with AET and intersection improvements. Miscellaneous roadside improvements, pavement milling, and resurfacing are also provided on the Turnpike mainline from Orange Blossom Trail (U.S.-441) to I-4, and the milling and resurfacing of portions of the mainline pavement currently being constructed south of SR-528 and portions of the Turnpike Mainline north of I-4. **Construction Cost: \$83M; Reference: Steve Wigle, PE Project Manager (407) 509-8541**

March 2017 – June 2018: I-95 from SR-60/Osceola Boulevard to Brevard County Line, Indian River County, FL. FDOT District 4 (FM No.41304926201) (Johnson, Mirmiran & Thompson). Senior Project Engineer. This design-build project entailed widening 12.5 miles of I-95 from 4 to 6 lanes from north of the SR-60/Osceola Boulevard interchange to the Indian River/Brevard County line and replacing bridges over CR-512 with a new bridge to provide three lanes with widened shoulders in each direction. Other improvements included new drainage, rehabilitation of existing drainage by installing cured-in-place pipeliners, 16 new cast in place and precast box

culverts, lighting, signalization, ITS, signage, landscaping, and sound wall construction. **Construction Cost: \$55M; Reference: Katherine Kehres, PE, TCOPs Project Manager, (772) 429-4889**

June 2015 – March 2017: CEI Services for SR-786/PGA Boulevard from SR-710 to West of Florida's Turnpike (Design-Build), Palm Beach County, FL. FDOT District 4 (FM No. 229396-2-62-01) (Johnson, Mirmiran & Thompson). Senior Project Engineer. This design-build project raised the profile of the existing two-lane roadway to provide flood protection for the roadway itself and to restore the hydrological connections associated with the Loxahatchee Slough. The project included the construction of a new single-span bridge to replace an existing culvert, thus expanding the flow capacity through this section of roadway and providing a new kayak trail and 8 ft. critter crossing. The roadway's profile was elevated approximately 3 ft using asphalt. An existing 14x20 flat slab box culvert was also replaced with dual 54-inch and dual 72-inch culvert system. **Construction Cost: \$9.5M; Reference: Melanie Straub, PE, FDOT D4 PBOPS (561) 432-4966**

March 2015 – June 2016: CEI Services for CEI Group 15-E, Tallahassee, Leon County, FL. FDOT District 3 (FM Nos. 42696116201, 42696116202, 42873916201, 42873916202, 42873916203), (Johnson, Mirmiran & Thompson). Senior Project Engineer. Two 3R projects involved milling, resurfacing, safety and drainage improvements for SR-10 (U.S.-90) (Mahan Drive) from SR-265 (Magnolia Drive) to SR-261 (U.S.-319/Capital Circle) and SR-261 (U.S.-319/Capital Circle) from Park Avenue to CR-151 (Centerville Road). **Construction Cost: \$2M; Reference: Tony Walters, FDOT Project Manager, Midway Operations Center (850) 694-5112**

October 2014 – March 2017: Veterans Expressway Widening, Tampa, FL. Florida's Turnpike Enterprise (Johnson, Mirmiran & Thompson). QA/QC Officer. Provided assistance and reviewed such items as utilities, maintenance of traffic, construction sequences and phasing, permit requirement and conditions, quantities, and equipment requirements. **Construction Cost: \$46M; Reference: Fernando Gomez, Project Manager (407) 468-7909**



September 2014 – December 2015: District 5 Maintenance Personnel Support Services, Lake Mary, FL. *FDOT District 5 (Johnson, Mirmiran & Thompson).* QA/QC Officer. Provided assistance and reviewed such items as utilities, maintenance of traffic, construction sequences and phasing, permit requirement and conditions, quantities and equipment requirements. **Construction Cost: Various; Reference: Miguel Melendez, Project Manager (386) 943-5292**

April 2003 – April 2012: Greenhorne & O'Mara, Inc. Regional Vice President/Division Manager. Mr. Watts was fully responsible for the coordination of Florida's field construction services, liaison with Florida's District Construction and FTE personnel, responsible for consultant teaming, letters of interests, contract negotiations/administration, constructability reviews, field inspections, CPM scheduling, claims reviews and provided QA/QC responsibility for all projects.

- 2012: S.R. 85 at S.R. 123 from General Bond Blvd. to Okaloosa Regional Airport, Ft. Walton Beach, FL, Construction cost - \$25M; CEI Fee - \$4.1M
- 2012: S.R. 70 Holmes Creek Bridge Replacement, Vernon, FL; Construction cost - \$21M. CEI Fee - \$3M
- 2010: S.R. 8A (I-110) Reconstruction, Escambia County, FDOT District 3; Construction cost - \$38M; CEI Fee - \$4.1M
- 2009: S.R. 8 (I-10), Tallahassee, FL; Construction Cost - \$164M. CEI Fee - \$10.6M
- 2009: S.R. 87 (Stewart Street) from S.R. 10 (US 90) to End of Old Five-Lane, Milton, FL; Construction cost - \$3.8M. CEI Fee - \$625K
- 2006: SR 83 (SR 331), Walton Co., FDOT District 3. Construction cost - \$16M. CEI Fee - \$2.3M
- 2005: I-10 Rest Areas, Okaloosa and Santa Rosa Counties; Construction cost - \$15.3M. CEI Fee - \$1.8M

September 2000 – May 2003: SR-9 / I-95, Palm Beach County, FL. Construction of HOV lanes from South of Linton Boulevard to the LWDD L-30 Canal, Delray Beach, FL, FDOT District 4 (Greenhorne & O'Mara, Inc.) Sr. Project Engineer. This reconstruction project included the demolition and replacement of 10 bridges, widening and reconstruction of roadway, drainage and cross streets. **Construction Cost: \$49M; Reference: Scott Burrie, PE, PM (561) 432-4966**

February 1998 – August 2000: Skypass Bridge, Port of Palm Beach, Palm Beach County, FL. *FDOT District 4 (Greenhorne & O'Mara, Inc.).* Sr. Project Engineer. This project entailed construction of the Skypass Bridge for the Port of Palm Beach which elevates U.S.-1 over the existing Port properties. **Construction Cost: \$15M; Reference: Tom Lundeen, PE, PM (561) 383-4133**

June 1997 – January 1998: I-75 Widening and Resurfacing including a Weigh in Motion (WIM) Station, White Springs, FL. *FDOT District 2 (Greenhorne & O'Mara, Inc.).* Resident Engineer. **Construction Cost: \$55M; Reference: Jim Martin, PE, FDOT PM (386) 961-7884**

April 1994 – May 1997: Ticket System Toll Plaza - Florida's Turnpike (Greenhorne & O'Mara, Inc.). Resident Engineer. **Construction Cost: \$10M; Reference: Bill Sears, PE, Program Manager (954) 975-4855**

August 1992 – March 1994: Lake Worth Interchange at Turnpike - Florida's Turnpike (Greenhorne & O'Mara, Inc.). Resident Engineer. **Construction Cost: \$8M; Reference: Bill Sears, PE, (954) 975-4855**

February 1992 – July 1992: Miscellaneous Authorizations - System-Wide - Florida's Turnpike (Greenhorne & O'Mara, Inc.). Resident Engineer. This contract entailed a variety of miscellaneous projects that included Turkey Lake service plaza renovations, Homestead extension fencing, Thomas B. Manuel bridge fender pile installation and bridge repairs. **Construction Cost: Various; Reference: Bill Sears, PE, Program Manager (954) 975-4855**

Feb. '92 – Jul. '92: Miscellaneous Authorizations - System-Wide - Florida's Turnpike (Greenhorne & O'Mara, Inc.) *Resident Engineer.* This contract entailed a variety of miscellaneous projects that included Turkey Lake Service Plaza renovations, Homestead Extension fencing, Thomas B. Manuel Bridge fender pile installation and bridge repairs. **Reference: Bill Sears, P.E., Program Manager (954) 975-4855**

Aug. '91 – Jan. '92: Miscellaneous Intersections (CEI), Lakeland, FL, FDOT District 1 (Greenhorne & O'Mara, Inc.) *Resident Engineer.* Project Engineer for two miscellaneous intersection projects for FDOT in District One. **Construction Cost: \$15M; Reference: John Hayes, P.E., Program Manager (863) 519-4104**

Apr. '90 – Aug. '91: Shoulder Rehabilitation of Florida's Turnpike from South of Fort Drum Plaza to South of SR 60, Okeechobee and Indian River Counties, FL, Florida's Turnpike (Greenhorne & O'Mara, Inc.) *Resident Engineer.* **Construction Cost: \$4M; Reference: Bill Sears, P.E., Program Manager (954) 975-4855**

Sept. '88 – May '90: Okeechobee Boulevard, Palm Beach County, FL, Vista Center of Palm Beach (Greenhorne & O'Mara, Inc.) *Project Engineer.* **Reference: Bill Gardiner (386) 738-6050**



QA/QC | TRAIL DESIGN
**Robin Hernandez, PE,
 RSP1**

Education

BS, Civil Engineering, University of South Florida, 2003

Registration

Professional Engineer: FL 68411
 Road Safety Professional – Level 1:
 655

Years of Experience

18

Certifications

- FDOT Specifications Package Preparation
- FDOT Advanced Maintenance Traffic
- FDOT Americans with Disabilities Act for Designers

Ms. Hernandez has 18 years of experience in civil engineering design and project management. She has managed multiple task-based contracts and roadway improvement projects for FDOT, Pinellas County, and Hillsborough County. Her design background includes roadway and pavement design, temporary traffic control, specifications, cost estimation, ADA improvements and roadway and traffic safety improvements. Ms. Hernandez also has experience on road safety audits, preliminary engineering reports, and safety analysis reports.

City of Tampa Design – Continuing. *FDOT District 7.* Project Manager. JMT was selected to provide design services for the City of Tampa on this Continuing Services contract through FDOT District 7. Individual work orders will identify the design of miscellaneous improvements including, but not limited to, complete streets, streetscape/urban design, shared-use paths and sidewalks, protected bicycle lanes, roadway-based transit, safety (Vision Zero), RRR, minor drainage, and intersection operational improvements. The first task is a Basis of Design report for Tampa Palms Boulevard (Ebensburg Drive to Bruce B. Downs Boulevard). This project provides for corridor-wide maintenance, operational, multi-modal, safety and traffic calming improvements on Tampa Palms Boulevard between Ebensburg Drive and Bruce B. Downs Blvd. The project includes operational and safety improvements to the two intersections of Compton Drive with Tampa Palms Blvd, and roadway improvements for the remaining 4-mile loop to accommodate bicycle and pedestrian facilities, including traffic calming, reduced posted speeds, enhanced crosswalks, sidewalks, and pavement resurfacing. This includes survey, geotechnical investigation, pavement analysis, arborist work, and traffic data collection and analysis.

Pebble Beach Boulevard between Cherry Hills Drive and Council Drive, Sun City Center, FL. *Hillsborough County.* Senior Roadway Engineer. JMT designed a designated midblock crosswalk with pedestrian activated signalization along Pebble Beach Boulevard. The project included the design of a mast arm support with dual arms in the median. Also included the design of new curb ramps, sidewalk within the median and lighting meeting the horizontal and vertical FDOT criteria within the crosswalk.

Sun City Boulevard Golf Cart Path and Sidewalk Design. *Hillsborough County, FL.* Project Manager. This project originated from a local action plan in conjunction with FDOT and the Hillsborough County planning department. It was determined that there is a need for a golf cart path and sidewalk along SR 674 due to high demand. In addition, there is a need for lighting along the corridor to supplement the proposed pathway and sidewalk. The County requested that JMT provide preliminary design and design evaluation memo for improvements to SR 674/Sun City Center Boulevard, which include golf cart path analysis and improvements and miscellaneous structures.

Howard Avenue from Kennedy Boulevard to Saint Louis Street, Tampa, FL. *Hillsborough County, FL.* Project/Contract Manager. JMT prepared design plans for completion of the resurfacing improvements for North Howard Avenue for approximately 1.340 miles within the

City of Tampa. The project included milling and resurfacing, ADA improvements, curb ramps, and safety upgrades. Other items of note included removal of brick pavement, and addition of advanced signing and crosswalk markings at existing crosswalks. The lane widths were evaluated, and, at the request of the City of Tampa, the lane widths were reduced. Buffered bike lanes and on street parking was added where additional space was available. Also, at the request of the City of Tampa, the design speed was reduced from 40 mph to 35 mph. Pedestrian flashing beacons were installed at Spruce Street, Beach Street, Cherry Street, Gray Street, Cass Street and Palmetto Street to promote pedestrian safety in accordance with the Tampa MOVES initiative and Vision Zero. Utility coordination and subsurface utility investigation were completed for the installation of the pedestrian signals.

Harvest Hope Mid-block Crosswalks, Tampa, FL. *Hillsborough County, FL.* Senior Roadway Engineer. JMT provided full engineering, environmental, and water resource services to a state grant project for a 7-acre community park located in the University Area in Tampa, FL, near USF. JMT is designing raised mid-block crossings within the vicinity of the park along 19th Street, 20th Street, and 138th Avenue as part of the area-wide safety improvements. This includes other traffic calming measures, such as updated signing and markings and traffic separator. Additional pedestrian improvements such as ADA ramps and drainage will also be done as a part of this project.



Westshore Boulevard from Kennedy Boulevard to Spruce Street, Tampa, FL. *Hillsborough County, FL.* Project/Contract Manager. JMT has prepared design plans for completion of the resurfacing for North Westshore Boulevard for approximately 0.920 miles within the City of Tampa. This project includes milling and resurfacing, ADA improvements, curb ramps, and safety upgrades. Pedestrian flashing beacons were installed at one mid-block location. Other items of note included the addition of high emphasis or texturized crosswalk markings at multiple side streets and addition/replacing of pedestrian signals. The lane widths were evaluated, and, at the request of the City of Tampa, the lane widths were reduced. Also, at the request of the City of Tampa, the design speed was reduced from 45 mph to 35 mph in accordance with the Tampa MOVES initiative and Vision Zero. There were also multiple driveway closures to reduce driver confusion and promote ADA compliant walking path. Traffic signal loops were examined and replaced if the conditions were poor or would be damaged by the resurfacing. This sparked coordination with not only the City of Tampa, but also the Westshore Alliance, and the Westshore Plaza for a right of entry agreement to replace loops outside of the existing right-of-way.

Waters Avenue from Armenia Avenue to Nebraska Avenue, Tampa, FL. *Hillsborough County, FL.* Project/Contract Manager. JMT prepared design plans for completion of the resurfacing improvements for Waters Avenue for approximately 2.014 miles within the City of Tampa. The project included milling and resurfacing, ADA improvements, curb ramps, and safety upgrades. Pedestrian flashing beacons were installed at two mid-block locations. Other items of note included replacement of sidewalk segments and replacement of loop detectors at the signalized intersections. Also, at the request of the City of Tampa, the design speed was reduced from 40 mph to 35 mph. The TTCP included pedestrian detours that were designed and detailed in the plans.

Nature's Way Boulevard Corridor Improvements, Valrico, FL. *Hillsborough County.* Project/Contract Manager. This 1.5-mile design project involves reducing a four-lane undivided stretch of Nature's Way Boulevard to a two-lane divided roadway with a designated bicycle lanes. The raised median includes irrigation sleeves for the homeowner's association to install landscaping in the future. There are green bike lane and share the road markings.

US 301/SR 43 at Riverview Drive, Riverview, FL. *Hillsborough County, FL.* Senior Roadway Engineer. JMT designed the reconstruction of the traffic signal at the intersection of US 301 / SR 43 and Riverview Drive in Hillsborough County. The project included milling and replacing the intersection, signing and marking improvements, replacing the span wire signal with mast arms, pedestrian signals and upgrading the curb ramps to meet ADA requirements, relocate the existing ITS fiber and copper communication.

US 41 at Sunset Lane/Crystal Grove Boulevard, Lutz, FL. *Hillsborough County.* Senior Roadway Engineer. JMT designed intersection improvements to add turn lanes and upgrade signalization features at the intersection of US 41 and Sunset Lane. Access management and median design are a key element to this project, due to heavy use of the side street by the US Post Office. The signalization design included a span wire support in a box configuration, loop detection, and included the use of four-section heads with flashing yellow arrows. The signal design also included coordination with CSX and railroad preemption.

US 92/SR 600/Hillsborough Avenue at N. 48th Street, Tampa, FL. *FDOT District 7, City of Tampa.* Senior Roadway Engineer. JMT is providing professional engineering services for to install a new HAWK across Hillsborough Avenue in Tampa, FL. The project includes a new mast arm, crosswalk lighting, and providing sidewalk and crosswalk improvements necessary to accommodate ADA criteria for the new crossing.

US 19 Intersections, Pinellas County, FL. *FDOT District 7.* Senior Roadway Engineer. JMT performed traffic engineering services along US 19 at several intersections where pedestrian signals were needed at four existing signalized intersections. JMT provided roadway, signals, signing and marking design and plans production for this project.

Districtwide Safety Studies and Minor Design, Districtwide, FL. *FDOT District 7.* Senior Roadway Engineer. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent tasks include Engineering Support Services, Severe Crash Location Reviews, Road Safety Audits and Safety Assessment Reports, Pasco Countywide Bicycle Safety Action Plan, Corridor Lighting Prioritization Safety Reviews & Studies, Pedestrian/Bicycle Engineering Safety Initiative, Mid-Block Crossing Studies, and Analyses for Additional Crossings at Signalized Intersections. Design tasks include Dale Mabry Highway Lighting, Signal installation at SR 574 (MLK) at 26th Street, Hillsborough Avenue HAWK installation, and US 19 Pedestrian Improvements.

Perdido Key Drive at Flora-Bama Pedestrian Signal, Escambia County FL. *FDOT District 3.* Senior Roadway Engineer. JMT designed and installed the pedestrian signal as an HSIP funded safety project due to the extremely high pedestrian activity across US 98/SR 292 (Perdido Key Drive). The project included the installation of a raised mid-block crosswalk, lighting, and signing in addition to the pedestrian signal. This project was coordinated with multiple stakeholders including District 3, the Alabama DOT, the Flora-Bama, and adjacent project development.



SENIOR DRAINAGE ENGINEER

Steven Collins, PE, PhD

Education

PhD/Biology, Texas Tech University,
2014

ME, Agricultural and Biological
Engineering, University of Florida,
2005

BS, Biological Systems Engineering,
Virginia Tech, 2003

Registration

Professional Engineer: FL 80872
MD, SC, and TX

Years of Experience

16

Training & Certifications

- BMPTrains, UCF 2016
- Rosgen Training Levels I-IV
- Ecological and Geomorphic Principles in Stream Restoration, UMD 2008

dredging and material placement, treatment wetland, pump system, and structural design, permitting with FAA, FDOT, USFWS, USACE, FDEP, SJRWMD, and Seminole County, topographic and hydrographic survey, archaeological survey, mitigation plan, and wetland and environmental assessments. Dr. Collins is also developing an ICPR model to route offsite runoff, pumped inflow, and flow through the treatment wetland, and is developing a 2D HEC-RAS model for the SR 46 Bridge Hydraulic Assessment to assess the impact of the constructed channel on scour of the bridge piers and power transmission poles.

SE 4th Street SE Williston St. to SE Depot Ave., City of Gainesville, FL. Senior Design Engineer. As part of the culvert replacement over Sweetwater Branch, Dr. Collins modeled the culvert (including velocity, shear stress, and scour) and helped determine appropriate stabilization downstream of the culvert. Dr. Collins also modeled the hydrology and hydraulics of a waterway entering the downstream side of the ditch using ArcMap, Rational Method, FHWA Hydraulic Toolbox, and Florida Department of Transportation criteria. He also calculated hydraulics and designed dimensions of an alternative pipe for this waterway.

Dr. Collins is a water resource engineer with 16 years of experience specializing in river, floodplain, and wetland restoration. His experience also includes hydrologic/ hydraulic and sediment transport modeling, suspended and bedload sediment sampling, groundwater and stream gage installation and monitoring, stormwater management BMP designs, watershed assessments and planning, TMDL/WIP/MS4 compliance, erosion and sediment control, landscape design, construction inspection, cost estimating, water quality analyses, and permitting. He has published an empirical model demonstrating the need for increasing hydraulic residence time in Florida ditches as a P-retention BMP, and water retention as a BMP is now established through the Payment for Environmental Services program in Florida. He has experience using ArcGIS 10.x, HEC-RAS, HEC-HMS, HSPF, ICPR v4, EPA-SWMM, PCSWMM, XPSWMM, TR-20, TR-55, HY-8, AutoCAD Civil 3D, and MicroStation.

US 441 / State Road 500, FDOT District 5. Drainage Engineer. To address erosion undermining a perimeter wall from a private development, Dr. Collins designed a new stormdrain to safely capture and convey offsite and roadside runoff to an existing outfall to Lake Ola. Analyses included computations of design discharge, inlet capacity, design tailwater, energy loss, hydraulic gradient, and scour protection. Erosion control measures at the historical low were also provided.

SR 20 from East of SR 65 to the Ochlockonee River Bridge, Liberty County, FDOT District 3. Drainage Engineer. Dr. Collins performed a cross-drain analyses on an existing 10-foot x 5-foot cross drain that is being extended because of road-widening. A drainage area was delineated and 10- and 50-year discharges calculated. Pre- and post-construction impacts were modeled in HY-8, and it was determined that there will be a small headwater elevation increase, but the roadway has sufficient freeboard. A scour and energy dissipation analysis was also performed with HEC-14.

Orange Boulevard (CR 431) Safety Improvements, Seminole County, FL. Drainage Engineer. Dr. Collins is the lead drainage engineer providing design and computations associated with three miles of new sidewalk and roadway safety improvements along Orange Boulevard. The proposed design will alleviate known flooding locations, and conveyance will be improved along the entire corridor. Dr. Collins is responsible for the design and supporting hydrologic and hydraulic calculations for proposed storm drains and inlets, ditch design, and seven new water treatment facilities/ponds. Dr. Collins developed ICPR models of existing and proposed conditions for multiple watersheds and demonstrated net improvement in water quality using BMPTrains.

Lake Jesup Nutrient Reduction and Flow Enhancement, Seminole County, FL. Project Manager and H&H Modeler. The project will add a channel connection between the 16,000-acre Lake Jesup and the St. Johns River. This channel, constructed through historic fill, will enhance hydrologic exchange, improve water quality, and restore floodplain habitat. Additionally, a recirculating wetland treatment system will capture and treat nutrient-laden water pumped from Lake Jesup. Dr. Collins is managing all design components, including



General Engineering Services, SWFWMD. Chapter C Manager. JMT was selected as a consultant for Chapters C, D, and H of SWFWMD's General Engineering Services contract. This contract allows JMT to work on the following task items within each Chapter for SWFWMD, as requested. Specifically, for Chapter C, JMT will perform site civil engineering planning, design and review; planning and design for canal dredging, widening and bank stabilization; surface water management system design, evaluation of innovative/alternative stormwater treatment technologies; and planning and design of habitat restoration and stormwater retrofit projects.

Parkland Estates and Swann Avenue Stormwater Improvements, City of Tampa, FL. Drainage Engineer. Dr. Collins performed an analysis of design alternatives to remedy flooding along Swann Avenue and Parkland Estates. Dr. Collins updated the City of Tampa's existing XP-SWMM watershed model with survey data to establish baseline conditions for the 1-, 5- and 10-year/24-hour storm events. Alternatives modeled in XP-SWMM included a new stormwater retention pond, a new outfall to the Tampa Bay, and a pumping station. Schematic plans and an engineer's estimate for the most effective outfall route/stormwater storage option were provided.

Water Quality Improvements to Enhance Fisheries Habitat in the Lower Choctawhatchee River Basin, Phase 1, Holmes, Walton, and Washington Counties, FL. Hydrology and Sediment Transport Modeler. To alleviate the impact of sediment in the lower Choctawhatchee basin, Dr. Collins determined the amount of sediment entering Choctawhatchee Bay and the relative amount of sediment contributed at unpaved-road stream-crossings through surveys and watershed modeling. Dr. Collins estimated sediment runoff at each unpaved crossing with RUSLE, and modeled hydrology, erosion, and sediment transport with BASINS and HSPF for a 5,350 square-mile watershed. The model was calibrated to water quality samples and long-term discharge and turbidity records.

Duck Pond Watershed Update, Hillsborough County, FL, Hillsborough County. Senior Drainage Engineer. The Duck Pond watershed covers approximately 8 square miles in central Hillsborough County. The goal of this project is to update the last version (2007) of the watershed model and use it to update floodplain mapping, re-evaluate proposed capital improvements, and provide final recommendations for flood protection. The County decided to update the Duck Pond watershed masterplan to address the SWFWMD's (District) review comments and to be consistent with their Guidelines and Specifications. JMT is performing an evaluation of the watershed which includes a systematic inventory and assessment of the watershed features using 2017 LiDAR and information collected in surveys, District issued Environmental Resource Permit's, road projects and construction plans, local stormwater inventories, land use, and other geodatabases that apply. JMT is classifying the conveyance system and conducting a hydraulic inventory, updating the hydrologic and hydraulic models to reflect all physical conditions. JMT is re-delineating the 100-year floodplain to account for the new LIDAR topography and the model's predicted peak stages. An existing level of service analysis will be performed for the design storm events based on the County's level of service criterion. JMT is evaluating flooding throughout the watershed, in terms of location, flooding depth, and flooding duration to identify/quantify flooding problems and conduct a BMP analysis. The final product of this effort will be floodplain mapping that meets FEMA standards for updating the existing FIRMs and final recommended alternatives prioritized using the County's and District's benefit cost analysis prioritization matrix.

Whiskey Road Regional Corridor Improvement Project, Aiken County, SC. Senior Stormwater Modeler. The Whiskey Road Drainage Project is for the design and construction of a two-mile-long drainage channel from Whiskey Road to Banks Mill Road. Dr. Collins has been vital to the development, refinement, and calibration of the existing and proposed stormwater models that were created for the Whiskey Road Drainage Project. Using PCSWMM he has modeled the proposed channel route and configuration to determine impacts to property, channel velocity, and shear stress. His PCSWMM model will be used later in the project to update existing FEMA floodplain studies and modify the location of the floodway.

Gilkey Creek Permittee-Responsible Mitigation, Cherokee County, SC. Stream Restoration Designer. Dr. Collins developed the final permittee-responsible mitigation plans for the Interstate 85 widening project. The Piedmont mitigation property includes 2,301 feet of stream restoration using natural channel design, 1,759 feet of stream enhancement, and 3.1 acres of wetland restoration and enhancement. The project reconnects stream and wetland corridors and reduces sediment and their associated nutrients. Dr. Collins assisted with geomorphologic surveys on impaired and reference streams, modeling the existing and proposed hydrology and hydraulics of the streams in TR-55 and HEC-RAS, and determining hydrologic enhancement in wetlands using scope and effect equations. JMT also performed wetland delineations, water quality, environmental, benthic macroinvertebrate, and RTE assessments. Design plans were developed in AutoCAD Civil 3D.

Watershed Hydrologic & Pollution Monitoring and Modeling, Masonville Cove, Baltimore City, MD. Water Quality Specialist and Modeler. Dr. Collins performed a watershed study and assessment of sediment and pollutant load entering Masonville Cove to help mitigate impacts from the Masonville Dredge Material Containment Facility. Dr. Collins developed an EPA SWMM 5.0 hydrologic model using stormdrain as-builts and calibrated it with five months of discharges recorded at the watershed outlet using a stream gage, HY-8, and velocity measurements.



SENIOR TRAFFIC ENGINEER
SIGNAL DESIGN

**Sara Beresheim, PE,
PTOE, RSP1**

Education

BS, University of Florida, 2001

Registration

Professional Engineer: FL 63951

Professional Traffic Operations
Engineer (PTOE): 2320

Years of Experience

19

Software Expertise

MicroStation CADD
GuidSign
Synchro
SimTraffic
Highway Capacity Software

Mrs. Beresheim has 19 years of experience in the design and production of signing and pavement marking, signalization, ITS, and lighting plans, as well as performing numerous traffic and safety studies. Her background includes ADA reviews, plans and report preparation, and quality assurance reviews. She has completed numerous traffic studies, including signal warrant studies, intersection safety and operations studies, arterial safety and operations studies, signal retiming studies, advisory speed studies, lighting analyses, and fatal crash and high crash location reviews. In addition to the specific project experiences listed below, Ms. Beresheim specializes in the use of the Highway Safety Manual and is proficient in the use of software, such as MicroStation CADD, GuidSign, Synchro, SimTraffic, and Highway Capacity Software.

School Safety Improvement Program. *Hillsborough County, FL.* Senior Traffic Engineer. Designed signing and pavement marking upgrades within school zones at 59 schools throughout Hillsborough County; also included the installation of advanced school zone signage with solar powered beacons. Responsibilities on this project included coordination with school principals, field reviews, design of sign panels and placement of signs, assistance in plans production and preparation of engineer's estimate.

Transportation - Professional Engineering Services, *Pinellas County, FL.* Senior Traffic Engineer. JMT was recently selected as a consultant for Pinellas County's Transportation Engineering Services contract. This contract will span five years and tasks under this contract could include preliminary design, roadways, resurfacing/restoration/rehabilitation (RRR), transportation, sidewalks, shared use paths, traffic, traffic/transportation studies, and transportation planning projects, including design of related roadway drainage, environmental, and utility improvements.

SR 699 (Gulf Boulevard) Crosswalk Lighting Analysis, Pinellas County, FL. *FDOT District 7.* Project Manager. Study of the crosswalk lighting conditions along SR 699; included managing lighting inventory personnel, lighting analysis, and producing a report with recommendations and conceptual plans.

SR 699 (Gulf Boulevard) from 37th Avenue to 195th Avenue, Pinellas County, FL. *FDOT District 7.* Project Manager and Engineer-of-Record. Scope included construction of pedestrian midblock crossings and installation of rectangular rapid flashing beacon assemblies with pushbutton detection and pedestrian crossing times. Responsibilities included coordination with the Department, design staff and other disciplines, field reviews, construction cost estimates, construction support, and project management. Sara also performed lighting analysis for the crosswalk locations as part of this project.

Sun City Boulevard Golf Cart Path and Sidewalk Design. *Hillsborough County, FL,* Senior Traffic Engineer. This project originated from a local action plan in conjunction with FDOT and the Hillsborough County planning department. It was determined that there is a need for a golf cart path and sidewalk along SR 674 due to high demand. In addition, there is a need for lighting along the corridor to supplement the proposed pathway and sidewalk. The County requested that JMT provide preliminary design and design evaluation memo for improvements to SR 674/Sun City Center Boulevard, which include golf cart path analysis and improvements and miscellaneous structures.

Miscellaneous Professional Services for Transportation Development & Design Engineering Services. *Hillsborough County, FL.* Senior Traffic Engineer. JMT has been under similar contracts with Hillsborough County continuously for nearly 20 years. Task work orders are issued from various sections within the Hillsborough County Public Works Department. These projects have included intersection safety reviews and operational improvements, roadway resurfacing and ADA improvements, a roundabout, complete streets projects, traffic operations design, drainage improvements, school safety improvements, construction inspection, and master planning for sidewalk and intersection improvement programs. and shared use paths.

Miscellaneous Traffic Engineering Services. *Hillsborough County, FL.* Project/Contract Manager. JMT was selected to provide studies and design for traffic safety and operations for roads and streets under Hillsborough County's Miscellaneous Traffic Engineering Services contract. Recent tasks performed throughout the County include Signal Warrant Study, Network Safety Study, Crosswalk Study, Pedestrian Crosswalk Signal Design, Temporary Traffic Control Plans, and Lighting Studies.



Miscellaneous Professional Services for Bicycle and Pedestrians. *Hillsborough County, FL.* Senior Traffic Engineer. JMT was selected to provide Hillsborough County with bicycle and pedestrian related support including the design of multi-use trails, sidewalks, and bicycle lanes, as well as safety improvements identified through the Safe Routes to School program. These improvements include shoulder widening and the installation of sidewalks near schools. Another assignment under this contract included sidewalk feasibility studies for 46 locations within the County to assess the needs and feasibility for pedestrian safety improvements.

CCNA Intersection Projects. *Hillsborough County, FL.* Senior Traffic Engineer. JMT is providing survey; data collection; traffic operation studies; roadway, drainage, signing and pavement marking, and signalization design; environmental permitting; and post design services for this contract. The purpose of this project is to comprehensively evaluate multiple intersections and document information necessary to reach a decision on the feasibility, operations, and conceptual design that will meet the goals of the Vision Statement. The six intersections are Bearss Avenue at Florida Avenue; Bearss Avenue at Zambito Road; Ehrlich Road at Hutchison Road; Himes Avenue at Idlewild Avenue; Himes Avenue at Busch Boulevard; and Himes Avenue at Waters Avenue.

Districtwide Safety Studies and Minor Design. *FDOT District 7.* Project/Contract Manager. JMT is providing studies and design for traffic safety projects and operational improvements for roads and streets under this FDOT District 7 Safety Studies and Minor Design Services contract. Services JMT has performed under this contract include safety studies, road safety audits, before-after studies, bicycle and pedestrian safety action plans, and minor design services. Recent tasks performed throughout the District include: Engineering Support services; Severe Crash Location Reviews; Road Safety Audits and Safety Assessment Reports; Pasco Countywide Bicycle Safety Action Plan; Corridor Lighting Prioritization Safety Reviews and Studies; Pedestrian/Bicycle Engineering Safety Initiative; Construction Cost Estimates and Conceptual Plans; Mid-Block Crossing Studies; and Analyses for Additional Crossings at Signalized Intersections.

Districtwide Traffic Operations Studies. *FDOT District 7.* Project Manager. Responsible for performing signal warrant studies, intersection, arterial operational and safety studies, lighting analyses, feasibility reviews, and numerous other traffic data collection tasks for study locations throughout District 7. Responsibilities on this project also include preparation of pushbutton plan sets for improvements such as signalization, signing, pavement markings, lighting, interconnect, and minor geometric changes.

Districtwide Safety Study and Minor Design. *FDOT District 1.* Senior Engineer. JMT was selected to perform traffic safety studies in support of the District 1 HSIP program. This has included data collection, safety studies, lighting justification reports, and benefit-cost/net present value analyses to determine if a candidate project qualifies for HSIP funding.

Districtwide Traffic Safety Studies, Districtwide, FL. *FDOT District 1.* Project Engineer. Sara was responsible for traffic safety analysis in support of arterial safety studies, intersection safety analyses, pedestrian and bicycle safety studies and ADA reviews. Responsibilities include field assessments, conceptual design development, safety research, collision analysis, and net present value and benefit-cost analyses.

Districtwide Traffic Operations Studies, FL. *FDOT District 1.* Project Engineer. Development of more than 350 traffic studies and data collection activities throughout District 1 (Polk, Manatee, Sarasota, Charlotte, Lee, Collier, Hardee, Hendry, Highlands, DeSoto, Glades and Okeechobee Counties). These included numerous signal warrant studies, left turn phase justification analyses, intersection delay studies, speed studies and turning movement counts. Responsibilities on this project included performing field reviews, traffic analyses and report preparation.

General Engineering Consultant, FL. *FDOT District 3.* Quality Control Plans Review Support. Assisted bringing to completion numerous projects for the Work Program within District 3. Responsibilities include reviewing construction and permit plans for signing and pavement marking, traffic signalization, signal interconnect, lighting, and lighting justification reports for completeness and conformance to applicable standards, policies, design criteria, and best design and construction practices.

SR 574/Dr. Martin Luther King Jr. Boulevard at North 26th Street Traffic Signal Design. *FDOT District 7, City of Tampa.* Project Manager and Engineer-of-Record. JMT is providing professional engineering services as part of a JPA between FDOT and the City of Tampa to install a new traffic signal at the intersection of SR 574 at 26th Street in Tampa, FL. The project includes new mast arms, intersection lighting, and providing sidewalk and crosswalk improvements necessary to accommodate ADA criteria at the intersection.

A/E Professional Services As-Needed, *City of Tampa, FL.* Senior Traffic Engineer. JMT is providing as-needed professional engineering services to the City of Tampa that includes various traffic operations and safety studies (signal warrant analyses, left turn phasing analyses, intersection safety analyses), traffic modeling and forecasting, data collection, crash analyses, public outreach, traffic design, roadway design, drainage design, utility coordination, cost estimates, project development support, project prioritization, and network screening.



SENIOR STRUCTURAL
ENGINEER
Senaka Aturaliya, PE

Education

M.S.C.E., Structural Engineering,
Kansas State University, 1994

B.S., Structural Engineering, Tongji
University, 1990

Registration

Professional Engineer: FL 86226

Years of Experience

26

bridge is a three span (167'-10", 238'-6" & 133'-10") structure with overall length of 540'-2". Bridge structure consists of steel truss superstructure, two end bents steel and solid wall type piers on steel pipe pile foundation. Work performed includes design and detailing of two piers, 45'-0" high illuminated pylons and analyzing existing end bents for structural capacity to receive new loadings from the steel truss. Additional work performed includes development of contract plans, coordinated with clients, contractor and sub consultants. Mr. Aturaliya is responsible for designing 40 ft high bridge interior bents with 24" diameter pipe pile foundation. Also, analyzed existing end bents for structural adequacy using FB-MultiPier software and recommended to utilize existing end bents for the proposed bridge. Additionally, prepared structural details, plans and reviewed bridge superstructure design calculations performed by the subconsultant.

Sun City Boulevard Golf Cart Path and Sidewalk Design. *Hillsborough County, FL*, Senior Structural Engineer. This project originated from a local action plan in conjunction with FDOT and the Hillsborough County planning department. It was determined that there is a need for a golf cart path and sidewalk along SR 674 due to high demand. In addition, there is a need for lighting along the corridor to supplement the proposed pathway and sidewalk. The County requested that JMT provide preliminary design and design evaluation memo for improvements to SR 674/Sun City Center Boulevard, which include golf cart path analysis and improvements and miscellaneous structures.

Drayton Island Ferry Bridge Landing Improvements, Putnam County, FL. *FDOT District 2*. Senior Structural Engineer. This project was for the final design of the ferry landing bridge improvements which will serve ferry and vehicular access across the St. Johns River between Georgetown and Drayton Island. The replacement superstructure consists of Florida Slab Beams (FSB's) supported on concrete piles. Movable steel ramp spans, including the mechanical and electrical components, are also included at both landings to enable vehicular access to/from the bridge landings and ferry barge. Mr. Aturaliya was responsible for final designing of two 50ft and 60ft long simple span bridges with Florida Slab Bridge superstructure and end bents with 18" square precast piles. Precast piles were designed and analyzed utilizing L-Pile for vertical and lateral load which includes ferry collision loads.

Mr. Aturaliya is a Florida Registered Professional Engineer with more than 26 years of extensive design and field experience on both the contractor and consultant side of bridge design. His work has included engineering design for new bridge and tunnel projects as well as remedial design. He is familiar with steel, pre-stressed concrete, and timber applications and is the co-author of bridge rating computer programs. His bridge design experience includes development of contract plans, specifications, cost estimates for rehabilitation, superstructure replacement, widenings, and new design for a variety of steel, concrete, and timber structures, as well as, familiarity with design of sign structures and mast arms for transportation projects. His similar experience includes:

Wekiva Section 7B from Orange Blvd. to Oregon Road, Seminole County, FL. *FDOT District 5*. Senior Structures Engineer. Mr. Aturaliya worked on the widening and reconstruction of SR 46 into a six-lane divided urban roadway. This project will provide the last link in the Wekiva Parkway regional improvements that will upgrade SR 46 and provide connections between Wekiva Section 7A to the west and the I-4/SR 46 interchange. The project typical section consists of a raised median, three travel lanes in each direction, turn lanes, bike lanes, drainage improvements, a 10-foot multi-use trail, and five-foot sidewalk. This contract also includes signalization of four intersections, CAP Level 3 Public Involvement, utility coordination, and environmental permitting with FDEP and ACOE. Mr. Aturaliya was responsible for analyzing and designing seven mast arms supported on drilled shaft foundation. Also, designed one cantilever 50ft arm DMS sign with drilled shaft foundation and prepared structural details and prepared contract plans for the project.

Orange Boulevard (CR 431) Safety Improvements, Seminole County, FL. *FDOT District 5* Senior Structures Engineer. Orange Boulevard (CR 431) safety improvements from SR 46 to Monroe Road included the reconstruction of three miles of an existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail. This contract consisted of a Preliminary Engineering Study to evaluate alternatives followed by a final design component to prepare final construction plans.

Maitland Pedestrian Bridge over I-4, Orlando, FL. *FDOT District 5*. Senior Structural Engineer. The proposed Maitland Pedestrian Bridge crosses the I-4 at Maitland Blvd. in Orlando Florida. The bridge is located over ten lanes of the I-4 as well as seven lanes of off/on ramps. Proposed

S.R. 414 Milling and Resurfacing from Keene Road to East of US 441, Orange/Orlando Counties, FL. *Central Florida Expressway Authority.* Senior Structures Engineer. The project is in Orange/Orlando Counties and includes mill and resurface SR 414 from mainline bridge over Keene Road to the 1700' east of the US 441 interchange, including the ramps at the Keene Rd., Hiawasse Rd. and US 441 interchanges. Evaluated the structural adequacy of the five existing Mast Arms to add video detection cameras and prepare analytical evaluation report for CFX. Mr. Aturaliya was responsible for analyzing five existing signal mast arms utilizing MastArm-LRFD software at Keene Road and US 414 for structural capacity to add video detection cameras and validate existing drilled shafts for additional loads. Also, prepared analytical evaluation report for CFX review according to FDOT design manual.

S.R. 429 / C.R. 437A Interchange Merge Signage Improvements - Post Design Services, Orlando, FL. *Central Florida Expressway Authority.* Senior Structures Engineer. Design work included widening of roadway, milling and resurfacing of Ramp D adjacent to SR400. JMT designed one single post median barrier mounted sign structure and one butterfly sign structure along Ramp D. Work performed involved design and analysis of sign structures, drilled shaft foundation, prepare contract plans and coordination and redesign butterfly sign structure during construction phase of the project. Mr. Aturaliya was responsible for designing barrier mounted structure which includes anchor connection design for barrier and 15'-6"x9'-0" butterfly sign structure and associated foundation on drilled shaft.

SR 417 Bridge over 528 Preservation, Orange County, FL *Central Florida Expressway Authority.* Senior Structures Engineer. Located in Orange County, FL the existing one-lane bridge is 47'-1" wide and 1304 ft long, seven span continuous curved steel girder structure which utilizes plate girder superstructure on pot bearings with reinforced concrete substructure (two end bents and six piers). Mr. Aturaliya evaluated the likely cause of bearing failure and excessive bridge movement at SR528 WB Ramp to SR417 SB (Bridge No. 750470) and recommended remediation alternatives and made needed operational/safety improvements to the bridge. He used CSiBridge, a 3D bridge analysis software to investigate bridge thermal movement in the bearings and validate guided bearing direction. The model included superstructure deck sections, structure steel girders and diaphragms. He prepared a report with recommend remediation alternatives and make needed operational/safety improvements to the bridge. Final phase of design work included plan and contract document preparation for bridge rehabilitation and multi-rotational bridge bearing repair/replacement work. Mr. Aturaliya was responsible for reviewing as-built bridge plans and inspection reports and performed structural analysis using CSiBridge and prepared a report with recommendations to CFX. Also, he coordinated with CFX and bearing manufactures on constructability of proposed alternative.

Central and Osborne Traffic Signal Design, Tampa, FL. *City of Tampa.* Senior Structures Engineer. JMT is providing professional engineering services for the City of Tampa to upgrade/replace the existing traffic signal at the intersection of Central Avenue and Osborne Avenue in Tampa, FL. The project includes providing sidewalk and crosswalk improvements necessary to accommodate ADA criteria at the intersection.

I-95 Section 100 Preliminary & Final Engineering, Baltimore, MD. *Maryland Transportation Authority (MDTA).* Project Engineer. Mr. Aturaliya worked on the structure design and preparation of construction plans for the \$450 million I-95 / I-695 interchange. Managed the structural design for 22 bridges, including 7 long flyover ramps, 38 retaining walls, 7 noise barriers and 5 culverts. This included the design of 6 integral steel girder pier caps to mitigate vertical and horizontal clearance issues, up to 300 ft. span curved steel girder superstructures for the flyover bridges and special concrete mix designs for the large concrete pours required. Mr. Aturaliya was responsible for designing curved steel girders using Descus software, bridge piers with maximum height up to 100ft and preparing structural details for bridge superstructure and substructure elements. Also, he reviewed shop drawings and design calculations during construction phase of the project.

I-10 Connect El Paso, El Paso County, TX. *TxDOT El Paso, TX.* Structural Engineer. The Texas Department of Transportation selected JMT for a \$900M reconstruction project along Corridors I-10 and I-110, US 54, and LP 375 (Cesar Chavez Border Highway) in El Paso, Texas. This massive undertaking was crucial to address connectivity, mobility, and congestion issues on the existing roadway network. The project required progressive highway design elements and schematic modifications, along with a preliminary investigation (PI) and plan, specification, and estimate (PS&E) to ensure interchange reconstruction between all three facilities was properly and safely executed. Reconstruction included 16 bridges total, with eight replacements, five widenings, one railroad crossing, and two new direct connectors. Furthermore, the project required complex traffic control plans for major demolition activities and extensive coordination with Customs and Border Protection along the largest US/ Mexico port of entry in the Country. Mr. Aturaliya reviewed super elevations for all bridge structures and 16 bridge layouts for compliance with TxDOT standards and verifying beam types met span requirements. Mr. Aturaliya was responsible for designing of the widening of the existing prestressed concrete girder bridge on US 54 NB exit ramp to NB FRTG. Proposed widened bridge is a five span 435 ft long bridge with prestressed concrete girder superstructure and concrete piers on 54" drilled shaft foundation. Design work includes evaluation and upgrading of existing superstructure elements and substructure elements for HL93 loading, design of prestressed concrete girders and concrete pier utilizing TxDOT bridge design software and RCPier. Performed structural analysis and verify structural adequacy of existing 156ft long pier cap using finite element software (STAAD) and RCPier.



SENIOR ENVIRONMENTAL
SCIENTIST
*ENVIRONMENTAL
PERMITTING*
Jason Evert

Education

BS, Biology, Hope College

MS, Zoology, University of Florida

Tropical Coastal Ecosystems,
University of Queensland (online)

Registration

FWC Authorized Gopher Tortoise
Agent #GTA-00027

Florida Stormwater, Erosion, and
Sedimentation Control Inspector
#28385

American Fisheries Society Associate
Fisheries Professional #2363

SCUBA Diver, NAUI

SCUBA O₂ Administration, PADI

FDEP Qualified Stormwater
Management Inspector

Years of Experience

26

Mr. Evert has been performing natural resource research and analysis, environmental planning, and permitting for 26 years. Most of his projects involve complex regulatory issues and a significant amount of documentation, including that necessary for NEPA, EFH, and ESA compliance. His experience is drawn from previous positions in, and consultation for, both the private and government sectors. He has successfully managed projects set in marine, estuarine, freshwater, and wetland environments. His role currently comprises business development, project management, in situ data collection, ecological research, planning, and permitting.

FL SR-A1A Timucuan Multi-Use-Trail/Little Talbot Island (Nassau County) Coastal Construction Control Line Compliance. FDOT District 2/ Superior Construction. JMT 16-1946. Mr. Evert managed compliance coordination with the construction contractor during expansion of pedestrian corridor along FL SR-A1A in an environmentally sensitive area adjacent to sea turtle nesting beaches.

Kinder-Morgan Pipeline Maintenance Project, Suwannee River State Park, Live Oak, FL. Mr. Evert was responsible for wetland evaluation and protected species (including gopher tortoise) surveys in the vicinity of planned maintenance of a natural gas pipeline.

CR 361B over Rocky Creek Bridge Replacement PD&E Study, Taylor County, FDOT District 2. Environmental Manager. JMT is a sub to GRAEF, the prime consultant selected by FDOT. The nature of the project is to provide alignment alternative investigation in support of the Project Development and Environment (PD&E) Study for the replacement of the existing structurally deficient bridge (BN 3800070) on CR 361B over Rocky Creek in Taylor County, Florida, located northwest of Perry, Florida, and associated roadway improvements. Mr. Evert is providing the Environmental Analysis & Reports, wetland delineation, protected species evaluation, and environmental permitting services.

SR 5 (US 1) from Ponce de Leon Blvd to Cross Ridge Drive, St. Johns County, FDOT District 2. Mr. Evert executed a wetland delineation and gopher tortoise survey for a nine-mile length of US Highway 1 in order to accommodate re-paving, expansion of turn lanes, and additional safety measures.

Drayton Island Ferry Landing Replacement, Clay County, FDOT District 2. Environmental Project Manager. Facilitated environmental NEPA re-evaluation, SJRWMD, and USACE permitting for design of new concrete ferry landings to replace existing timber structures for the residential ferry between Drayton Island and Georgetown, in Putnam County, FL. Project included wetland delineation, submerged aquatic vegetation surveys, re-alignment of local roadway approaches, a Bridge Replacement Report, final design and permitting.

I-95 Interchange at LPGA Blvd, Volusia County, FDOT District 5. Mr. Evert is overseeing natural and cultural resource evaluations in support of a Project Development and Environment (PD&E) study of the Ultimate Configuration Plan at the existing I-95 and LPGA Boulevard interchange in Volusia County, Florida. Supervised field evaluation and documentation of natural and cultural resources within the project limits, quantified and compared potential impacts to resources resulting from various interchange configuration alternatives, and coordinated with SJRWMD, USACE, FFWCC, USFWS, and SHPO to achieve agency concurrence with anticipated impacts, permitting approaches, mitigation plans, and project commitments. PD&E study documentation involved development of a Natural Resource Evaluation (NRE) and a Cultural Resource Assessment Study (CRAS), in support of an Interchange Modification Report

(IMR) and a Type I Categorical Exclusion.

South Sumter Trail PD&E, Sumter and Hernando Counties, FDOT District 5. Mr. Evert is performing field evaluations, species-specific surveys for scrub jay, red cockaded woodpecker, and gopher tortoise, wetland delineations and mitigation evaluations required to obtain environmental permits for a 15-mile multi-use trail project in central Florida.

Water Oak Road Improvements (Flagler County, FL). Mr. Evert was project manager and field team lead executing wetland delineations and a wildlife survey for this three-mile paving and traffic safety improvements project in a rural residential area.

Design and Permitting of Water Oak Road Improvements and Old Haw Creek Road, Flagler County, FL. Environmental Manager. Mr. Evert is responsible for the permitting on the reconstruction of an existing dirt road with open drainage to a two-way road with 12-foot lanes with a combination of open and closed drainage and signing and marking improvements. This project will connect CR 2006 to Mahogany Road



(paved) and the Northern segment of Water Oak Road (paved). A shoulder and sections of guardrail are also included with these improvements. The project is being funded with State Funds under review by FDOT District 5.

Wekiva 7B – SR 46 from West of Center Road to I-4, Seminole County, FDOT District 5. *Environmental Manager.* Mr Evert is overseeing the JMT team, which is undertaking field evaluations, wetland delineation, and assessment of mitigation required to obtain environmental permits for the planned six-laning of SR 46 from Orange Blvd. to I-4 in Seminole County, FL.

SR 600/ US 17-92/ SR 500/US 441, Osceola County, FDOT District 5. *Environmental Manager* for the preparation of construction plans and related documents for median modifications and related improvements on SR 600/US 17-92/SR 500/US 441 from 500-foot west of Westgate Drive to 1,100-foot east of Westgate Drive in Osceola County. As a subconsultant to Burgess & Niple, Inc., JMT is responsible for all environmental permitting services.

Orange Boulevard (CR 431) Safety Improvements, Seminole County, FL. *Environmental Manager.* Mr. Evert is directing all necessary environmental assessments pertaining to wetlands and protected/regulated species associated with 6-8 new water treatment facilities and three miles of new sidewalk and roadway safety improvements along Orange Boulevard (County Road 431) near Orlando, Florida, in order to improve safety, address drainage deficiencies, enhance pedestrian and bicycle continuity and access throughout the project, and provide a complete set of plans and support documents for letting to construction. Mr. Evert documented soils, land use, protected/regulated species in the project area, including Florida panther, Florida black bears, and gopher tortoises and completed ten wetland delineations among habitats ranging from low quality (comprising invasive species in between residential lots) to high quality (old-growth hardwood swamp adjoining the St. Johns River). Finally, he conducted Uniform Mitigation Assessment Methods (UMAMs) to determine mitigation requirements and costs and determined the likely cost for permitting and relocation of gopher tortoises.

Miscellaneous Professional Services for Transportation Development & Design Engineering Services, Hillsborough County, FL. *Environmental Manager.* Mr. Evert manages environmental issues (wildlife surveys and permitting) for task work orders issued from various sections within the Hillsborough County Public Works Department. These projects have included intersection safety reviews and operational improvements, roadway resurfacing and ADA improvements, a roundabout, complete streets projects, traffic operations design, drainage improvements, school safety improvements, construction inspection, and master planning for sidewalk and intersection improvement programs. and shared use paths.

CCNA Intersection Improvement Projects, Hillsborough County, FL. *Environmental Manager.* Mr. Evert is providing environmental permitting for multiple roadway intersections and documenting information necessary to execute feasibility studies and conceptual design. The six intersections are Bearss Avenue at Florida Avenue; Bearss Avenue at Zambito Road; Ehrlich Road at Hutchison Road; Himes Avenue at Idlewild Avenue; Himes Avenue at Busch Boulevard; and Himes Avenue at Waters Avenue. Mr. Evert provided wetland and protected species assessments for the six intersection improvement projects. Issues included determination of presence and impact evaluation of protected species, critical habitats, wetlands for various alternatives, and assessment of environmental permitting needs.

South Hillsborough Water Corridor Study, Hillsborough County, FL. *Tampa Bay Water.* Senior Environmental Planner. To deliver a new finished water supply to southern Hillsborough County, Tampa Bay Water contracted JMT to evaluate pipeline connections between existing and proposed facilities. Mr. Evert assisted in JMT's desktop review to identify environmental constraints related to three route alternatives for Segments 1 and 2. This review utilized readily available GIS data include right-of-way and parcel data, utilities data, and aerial views. Mr. Evert identified jurisdictional wetland issues, protected species issues (including regarding state-protected gopher tortoises) and other regulatory issues that could affect the cost and schedule of installation of each pipeline routes. JMT developed and proposed a ranking methodology based on the Quality Function Deployment (QFD) method, utilizing ranking criteria including cost, environmental factors, community impacts, future planned projects, right-of-way requirements, and other factors. JMT presented the proposed criteria, the weighting for each criterion, and the scoring guidelines for each criterion in a draft technical memorandum submitted to Tampa Bay Water for review and feedback.

Partin Road Settlement, Osceola County, FL. *Environmental Manager.* Mr. Evert is providing wetland permitting and protected species surveys (including gopher tortoises and nesting caracara) to complement design services to Osceola County, FL on the Partin Settlement Road project in Kissimmee. This project consists of an alternatives evaluation followed by development of design plans for construction of Poinciana Boulevard from Pleasant Hill Road to Trafalgar Boulevard. The total project length is approximately 5.7 miles.

Ecological Monitoring As-Needed, General Engineering Services, Southwest FL, Southwest Florida Water Management District (SWFWMD). *Project Manager.* JMT was selected by the Southwest Florida Water Management District (SWFWMD) to provide ecological restoration, environmental monitoring, and hydrologic analyses. Mr. Evert manages the monitoring service line and is currently executing two task orders. The projects involve environmental and biological data collection in streams and rivers Hillsborough, Sumter, and Marion Counties. The projects are part of two of the SWFWMD's major initiative areas: Minimum Flows and Levels, and Springs Protection.

Loxahatchee Rd from Arthur Marshall Loxahatchee Refuge to SR7 US441 (Broward Co., FL). Mr. Evert is managing and executing all environmental evaluations for compliance with NEPA for this roadway expansion project. The work included wetland delineations, protected species mapping, application for exemptions from SFWMD and a General Permit from USACE.



CULTURAL RESOURCE
MANAGER
Mary Alfson Tinsman

Education

B.A. / Anthropology, Albion College,
1996
M.S. / Historic Preservation, University
of Pennsylvania, 2000
MBA / Business Management, DeVry
University, 2011

Registration

OSHA Haz Com/GHS

Years of Experience

23

Ms. Alfson Tinsman is JMT's Cultural Resource Manager. She has 23 years of experience in completing a variety of environmental review documents such as Historic Resource Surveys/Determination of Eligibility Reports, Determination of Effect Reports, and 4(f) Evaluations. She has prepared and participated in state-level and HABS/HAER documentation of residences, industrial buildings, bridges, and districts. She also has experience with public involvement and preservation planning. She has conducted numerous architectural studies, ranging from reconnaissance-level surveys through large-scale eligibility and assessment studies.

Lake Jesup Nutrient Reduction and Flow Enhancement, Seminole County, FL. *St. Johns River Water Management District.* Senior Environmental Scientist. This project will add a channel connection between the 16,000-acre Lake Jesup and the St. Johns River. The channel, constructed through historic fill, will enhance hydrologic exchange, improve water quality, and restore floodplain habitat. Additionally, a recirculating wetland treatment system will capture and treat nutrient-laden water pumped from Lake Jesup. Ms. Alfson oversees the historical site surveys for this project.

Town of Belleair Historic Resources Survey, Belleair, FL, *Town of Belleair, FL.* Project Manager. JMT was hired by the Town of Belleair, FL to complete an Architectural/Historical Inventory Update. The town secured funding from the Florida Department of Natural and Cultural Resources to complete a survey of buildings constructed before 1967, interview five residents, and present the project findings at a public meeting. As Project Manager, Ms. Alfson Tinsman was directly involved in all aspects of this project.

SR-40 Corridor from US 441 to NE 8th Avenue, HSQ Group, Inc. Archaeologist. JMT was hired to complete a Cultural Resource Assessment Survey and Florida Master Site Files for a Florida Department of Transportation pedestrian improvement project in Ocala. The project area traversed three historic districts listed in the National Register of Historic Places.

SHPO Digitization, Harrisburg, PA, *Pennsylvania Historical and Museum Commission.* Project Manager. JMT was responsible for established processing systems and workflows for the overall Digitization Project (Phase I and II) which entailed performing a quality check of all paper records at the SHPO, digitization of all records, georeferencing surveys and reports, and providing training to the SHPO Staff. JMT digitized over 2 million pages of records. Ms. Alfson Tinsman was responsible for all staffing and contractual obligations under this project.

Historic Architectural and Landscape Analysis LSC, Statewide NC, *North Carolina DOT.* QA/QC Manager. This project was an open-end cultural resource contract with North Carolina's Department of Transportation. Projects have included North Carolina Eligibility Evaluation reports for multiple sites across the state effected by transportation projects. These projects included site visits, deed research, historical research--both online and at local repositories. Ms. Alfson Tinsman provided quality control for the overall contract, including all phases of architectural history and historic preservation work. She was responsible for contract management, scopes of work/budgets, contractual matters, and coordination/consultation with the client.

National Register for SEPTA Secane Station Rehabilitation, Clifton Heights, PA, *Gannett Fleming.* Cultural Resource Manager. Ms. Alfson Tinsman was responsible for the National Register eligibility survey and determination of eligibility for this train station. The work was expedited through close coordination with the client and the State Historic Preservation Office (SHPO) and was completed (including SHPO concurrence) within 6 weeks.

Cultural Resources Services for Cell Towers throughout the US, Nationwide, *Trileaf Corporation.* Project Manager. JMT completed on-call nationwide cultural resource services under this contract that included Section 106 compliance and mitigation. The work was completed under the FCC's Programmatic Agreement for cultural resources and included the completion of historic resource surveys and evaluations, Phase I Archaeology surveys, and the completion of 620/621 forms. JMT also completed multiple mitigation projects under this agreement including National Register nominations and interpretive displays. Ms. Alfson Tinsman served as the Project Manager for this work.

Cultural Resources Services Open-End for Cell Towers, Nationwide, *Martin Environmental Solutions, Inc.* Archaeologist. This project involved managing and conducting Section 106 compliance for telecommunications projects throughout the United States including recent work in Pennsylvania, Maryland, Virginia, Wisconsin, and Massachusetts. This fast-paced work involved coordination with multiple SHPOs



and completion of 621 Forms in compliance with the Federal Communications Commission's Programmatic Agreement for collocations and raw land sites.

Eisenhower Extension, E00187, York County, PA. *PennDOT District 8-0.* Cultural Resource Manager. Ms. Alfson Tinsman was responsible for the cultural resources work associated with the project, and she completed the railroad documentation and evaluation. This project involved the construction of approximately five miles of new roadway through a portion of Adams County. The project included the National Register eligibility evaluations of multiple historic resources including farms, industrial complexes, and a Railroad. The Railroad is the Gettysburg Railroad, which President Lincoln rode on his way to give the Gettysburg Address. This nationally significant resource has not been previously documented.

Open-End Various Engineering Services for the Bureau of Design, Pennsylvania, *Michael Baker.* Cultural Resource Manager. As part of an open-end contract with the PennDOT Bureau of Design to provide cultural resource management services, Ms. Alfson Tinsman was responsible for the coordination and implementation of cultural resources work, specifically in Districts 2-0, 3-0, 5-0, 6-0, and 8-0. This work involved scoping projects, establishing the Area of Potential Effects, coordination with consultants and the Department, soliciting consulting parties, and drafting findings. Close coordination was required between the Department, the SHPO and FHWA. Ms. Alfson Tinsman is one of only five consultant cultural resources professionals that are delegated by the State Historic Preservation Office (SHPO) and the FHWA for this work.

Theodore Roosevelt Island Cultural Landscape Report and Environmental Assessment (CLR/EA), McLean, VA, *National Park Service.* Cultural Resource Manager/Project Manager. JMT conducted a comprehensive analysis of Theodore Roosevelt Island's cultural landscape and public amenities, which included a joint Cultural Landscape Report and Environmental Assessment (CLR/EA), along with an Assessment of Effect (AOE) report for the island and the adjoining George Washington Memorial Parkway. This project was performed for the National Park Service- National Capital Region. The work consisted of a Cultural Landscape Report for Theodore Roosevelt Island, which is part of the George Washington Memorial Parkway as well as an Environmental Assessment of proposed improvements to the Island. As part of the project JMT managed the internal scoping process, the public scoping process, and the Section 106 Consulting Party process for the project. The final report was a combined Cultural Landscape Report/Environmental Assessment as it was the first report of this type undertaken by the National Capital Region.

Buzzard Point Park Concept Development, Washington, DC., *National Park Service.* Cultural Resource Manager. This project involved developing concept plans for the revisioning of the National Park Service's Buzzard Point Park, a waterfront property along the Anacostia River in Southwest DC. Ms. Alfson provided oversight on cultural resources related issues, pre-planning, and Section 106 early coordination during the initial concept design phase of a trail project at Buzzard Point Park for the NPS.

Open-End Cultural Resources Services, Statewide DE, *DeIDOT.* Cultural Resources Project Manager. Ms. Alfson Tinsman was the project manager for this work, which involved several task specific work orders, including both historic structures surveys and evaluations and Phase Ia, Ib and II archaeology surveys and reports: U.S. Route 301 Mainline Contract: Maryland/Delaware State Line North of Levels Road, St. Georges and Appoquinimink Hundreds and Town of Middletown, Cecil County. Phase II – Sites 7NC-F-118 and 7NC-F-119. Archaeology Management Summary Report and Phase II Survey Report. Bridge 3-368, Sycamore Road over Elliott Pond Branch, Replacement Project, Broad Creek Hundred, Sussex County, Delaware. Phase Ia Reconnaissance Survey. S.R. 0071 Transportation Improvement Project, Red Lion, New Castle County, Delaware. Phase I Reconnaissance and Phase II Survey.

Environmental and Cultural Resources, Open-End Contract, Pennsylvania, *PennDOT-Central Office.* Cultural Resources Professional (CRP). Ms. Alfson Tinsman served as an on-call Cultural Resource Professional for PennDOT. Work completed under these contracts includes a three-year term as the interim CRP in PennDOT Districts 5-0 as well as providing regular assistance in PennDOT District 4-0, 6-0 and 8-0. Specific tasks included attending project scopings, completing the cultural resource portion of the Scoping Field View Forms, determining the level of cultural resource effort necessary for projects, reviewing consultant scopes and products, submissions of findings to FHWA and the Pennsylvania Historical and Museum Commission (PHMC), preparing Pennsylvania Historic Resource Survey (PHRS) Forms, Determination of Effects Memorandum, consulting party coordination and public involvement.

Architectural Survey of Threatened and Significant Cultural Resources, *Calvert County, MD.* Cultural Resources Manager. This project entailed the survey and documentation of properties threatened by inundation and/or erosion. The properties were located within the floodplain and are likely to be affected by future storm events. JMT documented the properties and completed updated Maryland Inventory of Historic Properties forms for each. The documentation paid specific attention to elements of the properties that had been or were at danger from inundation or erosion.



THEODORE SPARKS, PE, SE, CBI

Theodore is a lead project engineer with experience in bridge design, bridge inspection, and bridge rehabilitation plans. He has provided bridge design services for roadways and interstates as well as pedestrian bridge design. Theodore has been responsible for structural design and plan preparation for many of H&L's bridge projects. He is proficient in Microstation V7 & V8 and CES. Theodore has designed retaining walls of all types – RE, Tie Back, Reinforced Concrete Cantilever and Gravity - in a variety of soil conditions. He has completed local and global stability analyses.

REPRESENTATIVE ASSIGNMENTS

Peer Reviewer for Category 2 Steel Bridges for Wekiva Parkway Section 8 Design-Build, Florida Department of Transportation District 5. This project involved design and construction of a new interchange at Wekiva Parkway and Interstate 4. The scope of services involved peer review for bridges 16, 18, 19, and 20. The project included horizontally curved steel flyover bridges and a single span bridge widening.

Theodore was responsible for independent confirmation of the design for bridge 18, and he checked the plans for completeness and accuracy. He reviewed the design for conformance with AASHTO and Florida Department of Transportation design requirements, and he reviewed for constructability.

Peer Reviewer for I-395 Bridges, Florida Department of Transportation District 4. This project provided peer review of 4 bridges. Bridge 112 is 9 spans, 733 feet long with a superstructure consisting of Florida I-Beams and steel plate girders. Bridge 114 is one span of 76 feet long consisting of Florida I-Beams. Bridge 122 is three spans (36'-81'36') 153 feet long consisting of AASHTO Type IV and Type II beams. Bridge 116 is one span of 78 feet long and consists of AASHTO Type III beams.

Theodore was responsible for independent confirmation of several of the bridges, and he checked the plans for completeness and accuracy. He reviewed for conformance with AASHTO and Florida Department of Transportation design requirements, and he reviewed for constructability.

Bridge Engineer for PATH400, Livable Buckhead, Inc., Atlanta, GA. This environmentally responsible trail provides recreational and social opportunities to Buckhead residents. The trail includes walking and biking connections to local schools and commercial business districts. When complete, it will also connect to the Atlanta BeltLine. This project required heavy coordination with GDOT, and adherence to many aspects of the GDOT PDP was required.

Theodore was responsible for structural design and plan preparation for four pedestrian bridges along the trail. The pedestrian bridges include multi-span, pre-engineered steel trusses and flat slab spans. Of the four pedestrian bridges, - one is over wetlands; one crosses over a road, a creek, and a pedestrian bridge; one bridge is under an existing railroad bridge; and one is under another pedestrian bridge.

Lead Bridge Engineer for PATH400 Trail Extension, City of Sandy Springs, GA. This project provides complete engineering design services to extend the PATH400 trail from Lolidans Drive south of the former toll plaza on GA 400 to the southern project limits of the I-285/GA 400 interchange. The extension will be approximately 2.1 miles long, extending from an historic cemetery site off Lolidans Drive north to approximately the Glenridge Connector. It is envisioned as a ten to twelve-foot wide hard surface, multi-use trail for bicyclists, skaters, walkers, runners, and motorized wheelchairs. The trail is being designed in accordance with AASHTO standard and will meet Americans with Disabilities Act (ADA) requirements. The design is incorporating



Title:
Bridge Department
Manager

Education:
Master of Science in Civil
Engineering, Ohio
University, 2020
Bachelor of Science, Civil
Engineering, Michigan
State University, 1999

Years of Experience:
21

Years with H&L:
21

Registration:
Professional Engineer
• FL #86151
• GA #32267
• SC #38683
Structural Engineer
• GA #1095

Certification:
• National Highway
Institute Safety
Inspection of In-Service
Bridges (Certified Bridge
Inspector)

Training Classes:
• National Highway
Institute Fracture Critical
Inspection Techniques
for Steel Bridges
• Occupational Compliance
Training Services (OCTS)
Permit-Required
Confined Space Training
for Entrants &
Attendants

Professional Associations:
• American Society of
Highway Engineers
(ASHE) – member
• American Society of
Civil Engineers (ASCE) –
member



unique and engaging features such as art installations and pocket parks. The design is following all Georgia Department of Transportation Plan Development Process (PDP) guidelines.

Theodore is responsible for design of the bridges. He coordinates with the trail design team for bridge geometry verification and coordinates with the geotechnical engineering team for development of all foundation solutions. He leads the bridge design team, providing technical direction and oversight, and he takes responsibility for completion of the design and production of the drawings. He ensures quality control efforts are maintained in accordance with the QA Plan.

Structural Quality Control Reviewer for Bob Callan Trunk Trail, Phase II – Section B, Cobb County Department of Transportation, Cobb County, GA. This project provided complete design services for a 10 foot wide multi-use trail, pedestrian bridge, and retaining walls. The trail crosses Rottenwood Creek and includes a trailhead at the northeast corner of Windy Hill Road and Windy Hill Road-Terrell Mill Road Connector.

Theodore performed a line-by-line review to ensure the design of walls met the owner's technical expectations, and he verified all calculations and plans to ensure they were accurately defined. He provided constructive feedback to the Lead Engineer regarding level of quality observed in reviewed work products, and he back-checked wall design work products after review comments were addressed.

Bridge Engineer for SR 120 over Silver Comet Trail, Georgia Department of Transportation, Paulding County, GA. This project consisted of design for roadway realignment and replacement bridge to carry Willow Springs Road over the Silver Comet Trail. A portion of Willow Springs Road near the structure was reconstructed to tie the new bridge back into the existing road. The bridge replacement structure was a concrete box culvert, constructed beneath the existing bridge to minimize road closure time.

Theodore designed the single box culvert (14 feet wide by 10 feet tall) for pedestrian use.

Structural Engineer for Pedestrian Bridge Standard Plans, PATH Foundation, Atlanta, GA. This project provided standard design plans for pedestrian bridges to be used at multiple PATH Foundation trail sites. Theodore was responsible for design and plan preparation of standards for concrete flat slabs of different lengths and timber pedestrian bridges, including foundations.

Structural Engineer for Tanyard Atlanta Memorial Park Trail, City of Atlanta, Atlanta, GA. This project was for complete design services for a trail path, road crossings, creek crossings, and trail structure. Four pedestrian bridges included single-span, pre-engineered steel trusses, and flat slab spans of various lengths. Of the four pedestrian bridges, three cross a creek and one is under an existing vehicular bridge.

Theodore was responsible for structural design and plan preparation for the four pedestrian bridges along the trail. Bridge types included pre-engineered steel trusses and concrete flat slabs.

Structural Engineer for Rockdale River Trail - Phase C, Georgia Department of Transportation, Rockdale County, GA. This project was a 2.3-mile, Transportation Enhancement (TE) funded multi-use trail that included design of six pedestrian bridges and connections to a county park.

Theodore was responsible for structural design and plan preparation for the four pedestrian bridges along the trail. Bridge types included pre-engineered steel trusses and concrete flat slabs.

Structural Engineer for Southwest Beltline Connector Trail – Phase 1, City of Atlanta, PATH Foundation, Atlanta, GA. This PATH Foundation-led project winds through woods and will ultimately connect to the Atlanta BeltLine. When complete, this trail will run 4.5 miles. With connections between the Beecher Hills and Westwood Terrace neighborhoods, the trail will allow for improved access to Beecher Hills Elementary School.

Theodore was responsible for foundation plans for a 90-foot-long, 12-foot-wide pre-engineered pedestrian bridge over Utoy Creek and bridge plans for a 25-foot-long, 12-foot-wide flat slab pedestrian bridge over a tributary to Utoy Creek.



PROJECT ROLE

Senior Landscape Architect
Project Manager

LOCATION

Orlando, FL

CITY OF RESIDENCE

Orlando, FL

EDUCATION

- MS Landscape Architecture, University of Wisconsin, 2008
- BS Landscape Architecture, University of Kentucky, 2004

YEARS OF EXPERIENCE

Joined S&ME in 2015 with 9 years of experience

REGISTRATIONS

- FL, LA #LA6667316, 2017
- KY, LA #798, 2010
- OR, LA #0965, 2018
Inactive
- TN, LA #1275, 2021
- WV, LA #411, 2018

CERTIFICATIONS

- LEED Accredited Professional

Carrie E. Read, PLA, ASLA, LEED AP

Landscape Architectural Group Leader

Carrie has over 15 years of experience in site design and landscape architecture throughout the Southeast. Areas of specialty and interest include streetscape design, green infrastructure and sustainable sites utilizing LEED principles; educational and institutional facilities; and multi-modal transportation and bicycle facilities.

Key Projects and Assignments

SoDo O-Line Phase One

Orlando, Florida | D 2019-2020

Project Manager for the Phase One Conceptual Design for the O-Line, a pedestrian and bicycle multi-use trail facility that will parallel the CSX/SunRail corridor that runs from downtown Orlando south through the SoDo district.

Se7en Wetlands Park & Trail Master Plan

Lakeland, Florida | 2015-2018

Senior Landscape Architect for the City's 1,600-acre wastewater wetlands park. The project features an indoor/outdoor education building, an elevated open-air classroom, a 28-mile trail system across levees, boardwalks, floating boardwalks, and overlooks, which include exhibit and education venues and serve as rest areas for trail users.

Grand Boulevard Greenway

New Port Richey, Florida | 2018

Project Manager for a bike trail facility in the City of New Port Richey. S&ME has been hired by the City to develop conceptual design graphics showing bicycle and pedestrian connectivity along approximately 1.4 miles of the Grand Boulevard corridor. Working with the City, S&ME has developed design alternatives for each segment of the corridor based on existing conditions and right-of-way widths.

Pilaklakaha (PK) Avenue Streetscape

Auburndale, Florida | D 2015-2017 | C 2017-2018

Landscape Architect for a five-block section of Pilaklakaha Avenue in Auburndale, Florida. The streetscape project included a reduction of travel lanes from four lanes to two lanes, which enabled the addition of a linear bioswale/rain garden along the length of the project. **Project received Grand Award, American Council of Engineering Companies of FL, 2019.**

South Central Park and Streetscape Improvements

Winter Haven, Florida | D 2016-2018 | C 2018

Landscape Architect for a multi-purpose civic park and surrounding streetscapes and trails in downtown Winter Haven. The project also incorporates a bikeway into the streetscape environment with an associated vertical gateway element. **Project Received Project of the Year Award, Florida Engineering Society, Ridge Chapter, 2019.**



Eric Cain, PSM
Project Surveyor

Contract Role:
Project Surveyor

City of Residence: Ocoee, FL

Years' Experience: 16

Education
BS / Geomatics / 2016
University of Florida

AA / General Studies / 2004
Seminole State College

Professional Registrations
Florida Professional Surveyor & Mapper –
LS 7131

Professional Affiliations
- Florida Surveying & Mapping Society
- National Society of Professional
Surveyors
- Florida Global Navigation Satellite
Systems Users Group

Summary of Experience

Mr. Cain is a Florida licensed Surveyor and Mapper with over 16 years of survey, mapping, and subsurface utility engineering (SUE) experience. He is responsible for the oversight of the field and office tasks associated with boundary, topographic, wetland jurisdictional, ALTA, specific purpose surveys, and legal descriptions/sketches.

Mr. Cain will serve as Project Surveyor on this contract and assist the team with the production of the survey design file deliverables. Specific tasks required will be daily briefings with field crews along with the management and processing of the field data collected.

Significant Projects

Lake County US 27 at Main Ave. / Fosgate Rd. Signalization Improvements, Lake County, FL: The project consisted of signalization improvements for the roadway intersection of US 27 at Main Ave. / Fosgate Rd. in Lake County. ECHO was informed in June 2019 that the contractor that was in the process of building the improvements was facing utility challenges due to the four (4) proposed strain poles appearing to conflict with existing utilities. ECHO's professional services were requested to field investigate and map the location of the existing utilities within the proposed strain poles' foundations. Mr. Cain served as project surveyor.

SR 500 (US 441 / N. Orange Blossom Trail) at Rosamond Drive (441395-1), Orange County, FDOT District 5: Mr. Cain worked on this project processing SUE and survey information and performing review of field data. The project scope consisted of improving traffic operations and installing pedestrian facilities.

Econlockhatchee Trail from Lake Underhill to SR 50 in Orange County, FL: A trail project where Mr. Cain served as the project surveyor providing survey services that supported the subsurface utility engineering efforts of the location of existing underground utilities and conventional survey services.

Flagler County Graham Swamp Trail, Flagler County, FL: Mr. Cain acted as the Surveyor of record for the topographical survey and subsurface utility engineering effort for this project.

SR 44 Resurfacing from Bottle Brush Court to US 27 (441137-1), Lake County, FDOT District 5: Mr. Cain has worked on this project processing design survey and SUE information, and performing review of field data. ECHO provided full design survey and SUE services. The project consisted of rehabilitation of the pavement and necessary roadside improvements. As part of the design survey, ECHO recovered the survey alignment of SR 44 and prepared a Specific Purpose Survey of the alignment retracement, in addition to providing topographic, drainage, utility survey at specific locations within the project limits. Project currently ongoing.

Duke Installation, Eustis, Lake County, FL: Mr. Cain served in a project surveyor role for this project which consisted of mixed type installation (i.e. trenchless and conventional digging/trenching) of a new Duke line. ECHO's professional services were requested to provide field services to stake the existing R/W line along the roadway corridors.

SR 40 Resurfacing from Marion Co. Line to Volusia Co. Line, Lake County, FDOT District 5: Mr. Cain has worked on this project processing design survey and SUE

information, and performing review of field data. ECHO provided full design survey and SUE services. The project intent was to reduce the frequency of road departure crashes. As part of the design survey, ECHO established the apparent R/W and performed a topographical survey, drainage survey and utility investigation of various areas throughout the project limits. Project currently ongoing.

SR 19 Resurfacing from CR 452 to Golden Gem Drive (441135-1) Lake County, FDOT District 5: Mr. Cain has worked on this project processing SUE and survey information and performing review of field data. The project scope consisted of rehabilitation of the pavement and necessary roadside improvements. Project currently ongoing.

SR 19 NB (North Grove St.) Eustis Curve Safety Improvements (441370-1), Lake County, FDOT District 5: Mr. Cain worked on this project processing SUE and survey information and performing review of field data. The project scope consisted of realigning the roadway curve within the existing Right of Way to reduce crashes.

CR 42 Lake Departure Mitigation from the Marion County Line to SR 44 (441364-1), Lake County, FDOT District 5: Mr. Cain has worked on this project processing design survey and SUE information, and performing review of field data. ECHO provided full design survey and SUE services. The project intent was to reduce the frequency of road departure crashes. As part of the design survey, ECHO established the apparent R/W and performed a topographical survey, drainage survey and utility investigation of various areas throughout the project limits. Project currently ongoing.

Miller Rd. Culvert Replacement, Seminole County: Mr. Cain acted as the Surveyor of record for the topographical survey and subsurface utility engineering effort for this project consisting of replacing an existing culvert and single lane private bridge. The project was funded under FEMA's Hazard Mitigation Program.

Nolan Rd. Culvert Replacement, Seminole County: Mr. Cain acted as the Surveyor of record for the topographical survey and subsurface utility engineering effort for this project, consisting of replacing an existing culvert and providing associated road improvements. The project was funded under FEMA's Hazard Mitigation Program.

Paradise Heights Drainage Improvements, Orange County: Mr. Cain was the Surveyor of Record on this project, providing subsurface utility engineering (utility designating, locating) and surveying.

Old Cheney and Tanner Road Drainage Improvements, Orange County: Mr. Cain is currently serving as Project Surveyor on this project where ECHO is tasked to provide design survey and SUE services for drainage improvements to alleviate flooding issues.

SR 429 Widening from Stoneybrook West Pkwy to Florida's Turnpike (Project No. 429-154), Orange County, Central Florida Expressway Authority (CFX): Mr. Cain currently serves as SUR Surveyor for ECHO's scope of work under this contract. Scope consists of SUE/utility survey, drainage survey and bridge scanning. Project currently ongoing.

Orlando Health Electrical Underground Feed on Kuhl Ave. and Sturtvant Street, Orlando, FL: In this role, Mr. Cain was the Project Surveyor where ECHO performed a topographical survey of the project limits to include existing improvements, such as road surface, signs, pavement markings, edge of pavements, road center line, in addition to trees, signs and other improvements on the ROW portion of the project limits.

SR 417 Widening from Boggy Creek Rd. to Narcoossee Rd. (Project No. 417-151), Orange County, Central Florida Expressway Authority (CFX): Mr. Cain currently serves as SUR Surveyor on this project where ECHO is the Lead Survey Firm. Project currently ongoing.

Florida Turnpike Enterprise (FTE) – North System Miscellaneous Survey & Mapping Contract C9Y63, Various Counties, FL (2018-Present): Mr. Cain currently serves as SUR Surveyor on miscellaneous expedited tasks including right-of-way verification and staking, design surveys and SUE services. This is a contract currently ongoing.

Florida Turnpike Enterprise (FTE) – Resurfacing and Safety Upgrades of Turnpike Mainline (SR 91), MP 190.5-198.5, Orange County, FL (2019-Present): Mr. Cain currently serves as SUR Surveyor on this RRR project where ECHO has performed topographical survey services and subsurface utility engineering services. The topographical survey was performed in conjunction with an aerial firm providing LAMP. ECHO placed and elevated the aerial target in addition to performing ground survey for all the obscured area, drainage survey, survey of wetland flags, geotechnical support, and utilities. This is a contract currently ongoing. FPID: 440700



Trisha L. Miller
Senior Utility Coordinator/Manager

Contract Role:
Senior Utility Coordinator

City of Residence: DeLeon Springs, FL

Years' Experience:
18

Professional Affiliations:
- Central Florida Utility Coordinating Group, Chair
- Florida Utilities Coordinating Committee
FDOT District 5 Liaison

Summary of Experience

Ms. Miller's responsibilities include facilitation of resolution of utility/design conflicts between utility owners with facilities located within the roadway project limits and the roadway designers and engineers. Some utility owners have prior rights, such as easements or fee simple property ownership, and are due compensation for any engineering effort or relocation work necessary for a project. Most utility facilities lie within rights-of-way through permits, which require they relocate upon any improvements to the roadway. A utility coordinator must hold meetings at certain milestones with all parties involved: utility owners, designers, project owner (department of transportation, municipality, etc.) and discuss the potential impacts to the existing utility facilities and constructability of the project. Coordination of, and dissemination of, the subsurface utility engineering information is vital in determination of conflicts with the proposed roadway design. A thorough knowledge of the latest statutes and regulations is also important in accomplishing these tasks.

Ms. Miller's career in utility coordination includes over 18 years of experience with 13 of those years serving the Florida Department of Transportation's District Five. During her time with FDOT she served seven of those 13 years within their utilities department. She has managed and certified over 100 projects, in addition to coordinating and managing value engineering contracts and 30 studies, as well as processing mapping coordination.

Ms. Miller continues to play a significant role in the District Five's annual utility liaison conference events. Her experience offers a strong knowledge foundation in the Florida Department of Transportation's utility coordination procedures and requirements for a variety of transportation projects. Ms. Miller is certified through the Florida Utilities Coordinating Committee for cost-estimating and billing, coordination, regulations and agreements, and construction management. Her expertise includes value engineering and studies coordination, and mapping coordination.

Significant Projects

SR 429 (Wekiva Parkway) from River Oaks Circle to Orange Boulevard, Seminole County, FL, FDOT D5: This project entailed the design of 3.47 miles of new four-lane divided limited access highway along with dual two-lane frontage roads. Several bridge structures, toll gantries and related equipment buildings and infrastructure were designed as a part of the plan set. Ms. Miller provided utility coordination services to identify utility owners to facilitate discussion between and the multiple utility owners to come to a satisfactory resolution of utility conflicts.

I-4 Ultimate Project, Orange and Seminole Counties, FL, FDOT D5: I-4 Ultimate project included the reconstruction of 21 miles of I-4 from west of Kirkman Road in Orange County, Florida to east of State Road 434 in Seminole County, Florida. The I-4 Ultimate project added four tolled express lanes to I-4 while maintaining the existing free general use lanes, providing a choice to motorists. As a member of the design-build team, Ms. Miller provided Utility Coordination for this project.

I-4 Beyond the Ultimate, Polk and Osceola Counties, FL, FDOT D5: Ms. Miller provided utility coordination services to support the engineer of record's design efforts of I-4 (SR 400) reconstruction from west of US 27 in Polk County to west of SR 528 (Beachline) in Osceola County. Upon completion, I-4 will consist of three general use lanes and two special use lanes in the eastbound and westbound directions, alleviating the traffic congestion of this well-travelled corridor connecting the east and west coasts of Florida.

I-95 Widening Improvements Design-Build – North of SR 44 to US 92, Daytona, FL: Ms. Miller was responsible for utility coordination while engaged with this widening project.

Grow, Inspire, Make a Difference

The widening of I-95 and reconstruction of the I-4/US 92 system interchange required pavement widening, drainage system improvements, bridge widening, bridge replacement, retaining walls, highway lighting, Intelligent Transportation System (ITS) modifications, median barriers, signing and pavement markings, signalization and milling and resurfacing.

SR 400, Volusia County, FL, FDOT D5: The scope of services included milling and resurfacing for the SR 400 in Volusia County, FL. Ms. Miller coordinated with all involved entities, agencies, and stakeholders on behalf of District Five. Ms. Miller served as the Senior Utility Coordinator.

SunRail Project – Phase 2, Orange and Osceola Counties, FL, FDOT D5: SunRail is a 61.5 mile Commuter Rail Transit (CRT) project connecting DeLand and Poinciana through Central Florida. Ms. Miller’s prior firm participated in 31 mile second phase of this project from south Orange County to Poinciana in Osceola County. The project aimed at providing reliable mobility service during peak travel periods to relieve traffic congestion in Central Florida. The line runs on the existing tracks of CSX Transportation. The Federal Transit Administration (FTA) gave the green signal to the SunRail project in 2007 and Phase 2 began design in 2014. This Phase included five stations, addition of dual tracks and multiple at grade crossing improvements. Ms. Miller provided the UC services for this project throughout.

South Street Realignment from East of Rosalind Avenue to Orange Avenue, Orlando, FL, FDOT D5: Ms. Miller served as the Senior Utility Coordinator. This was a realignment project in the heart of Downtown Orlando. This project ran next to the Dr. P. Phillips Performing Arts Center development and is a signature element for the Orlando community. This project involved extensive coordination between multiple utilities, District Five and the City of Orlando.

SR 50 from Good Homes Road to Pine Hills Road, Orlando, FL: A major roadway widening and reconstruction project that included three Utility Work by Highway Contractor Agreements. Ms. Miller served as the Senior Utility Coordinator.

SR 44 from Hill Avenue to Summit Avenue, Volusia County, FL, FDOT D5: A resurfacing and safety project that included minor drainage improvements. Coordinated with all relevant utilities, the prime engineer, and District Five Utilities Office on the project. Ms. Miller served as the Senior Utility Coordinator.

Districtwide Miscellaneous Design Contract No. 104, Various Counties, FL: This contract involved design, permitting and coordination of assignments under this districtwide contract. Ms. Miller served as the Senior Utility Coordinator.

I-95 from North of SR 50 to North of SR 46, Brevard County, Various Counties, FL, FDOT D5: This was an interstate widening project that included replacement of two major bridges and reimbursable utility negotiations. Responsible for utility coordination and negotiations services as well as quality assurance support for surveying and subsurface utility engineering services. Ms. Miller served as the Senior Utility Coordinator.

SR 48 from CR 313 West of I-75 Ramps to CR 475 Main Street, Sumter County, FL: Ms. Miller served as the Senior Utility Coordinator for this project which was a 2.07-mile project consisting of proposed improvements to widen the existing two-lane rural roadway to a five-lane urban typical section. The improvements included a four-foot-wide designated bike lane in the east and west directions, as well as a three-foot-wide utility strip, five-foot-wide sidewalk, and ditching, all on both sides of the roadway.

SR 40 from Tymber Creek Road to Perrott Street, Volusia County, FL: This was a two-mile project consisting of milling and resurfacing, curb cut ramps, and sidewalk. Ms. Miller served as the Senior Utility Coordinator.

SR 589 – Veteran’s Expressway from South Gunn Highway to Sugarwood, Hillsborough County, FL: A 1.7-mile design-build project that required widening and resurfacing of the mainline. Ms. Miller served as the Senior Utility Coordinator.

Continuing Service Contract No. 004, Various Counties, FL: Ms. Miller worked on multiple tasks which involved design, permitting and coordination of assignments under this districtwide contract. Ms. Miller served as the Senior Utility Coordinator.

Continuing Service Contract No. 018, Various Counties, FL: Ms. Miller worked on multiple tasks which involved design, permitting and coordination of assignments under this districtwide contract. Ms. Miller served as the Senior Utility Coordinator.

Districtwide Miscellaneous Design Contract No. 104, Various Counties, FL: This contract involved design, permitting and coordination of assignments under this districtwide contract. Ms. Miller served as the Senior Utility Coordinator.



Richard P. McCormick, P.G.

Chief Geologist

City of Residence: Orlando



Rich McCormick has 29 years of experience performing environmental and geological services on public infrastructure and private development projects. Rich has provided numerous Level 1 Contamination Screening Evaluation Reports (CSERs) and Level 2 Contamination Impact Assessments (CIAs) for major highway and rail projects in Central Florida. He has extensive experience in field sampling of soil and groundwater in accordance with Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOPs).

EXPERTISE:

Level 1 Contamination Screening Evaluation Reports (CSERs)

Level 2 Contamination Impact Assessments

Soil and Groundwater Sampling

YEARS OF EXPERIENCE:

29 years of experience
15 years with GEC

EDUCATION:

Bachelor of Environmental Sciences and Geology
1992 | Eastern Connecticut State University

LICENSES:

Licensed Professional Geologist FL No. 2096,
Georgia No. 2014,
Tennessee No. 5765

PROFESSIONAL CERTIFICATIONS:

OSHA 40-Hour Hazardous Materials Health and Safety Certification

OSHA 8-Hour Refresher Course – Annually

LPS Training 8-Hour

Florida Stormwater, Erosion & Sedimentation Control Certification

South Lake Trail, Lake and Sumter Counties, Florida. Senior Geologist for the contamination evaluation for 10 alternative trail alignments and presented findings to aid in alternative alignment selection on an 8-mile multiuse trail, encompassing Groveland and Mascotte in Lake and Sumter Counties. The proposed trail extends from the existing Van Fleet Trail to Villa City Rd/CR 565. The proposed trail follows the abandoned Seaboard Coastal Railroad corridor.

Lake Wekiva Trail from SR 46 to Hojin Street (LAP), Lake County, Florida. Senior Geologist for CSER and Level 2 Contamination Evaluation for the new multi-use trail along the Seaboard Coast Line Railroad and included a shared-use pathway, utility adjustments and drainage improvements. The study area contained a railroad corridor, oil depot, concrete plant, auto repair facilities, and agricultural land among 19 sites of concern. Level 2 assessment revealed arsenic and polycyclic aromatic hydrocarbon soil impacts along the railroad corridor. Plan notes were provided to reduce worker and public exposure to potential contaminant exposure during construction activities.

Lake Monroe Trail Loop, Seminole County, Florida. Senior Geologist for the Contamination Screening Environmental Report (CSER) of this trail corridor that identified 24 sites and assigned contamination risk potential rankings for potential hazardous materials and petroleum-impacted sites within the project study limits.

City of Titusville Rails to Trails Phase 2 Design-Build, Brevard County, Florida. Project Geologist for the limited contamination evaluation activities at the proposed Rails to Trails project located along the former Florida East Coast Railway bed near Draa Road to Canaveral Road in Titusville. The scope included evaluating the presence of arsenic-impacted soil along the former rail line and providing recommendations for handling the contaminated soils during construction.

East Central Regional Rail Trail – PHASE 4A from Guise Road to Gobbler’s Lodge Road, Volusia County, Florida. Senior Geologist for the new 3.6-mile multi-use trail constructed along Maytown Road in Osteen to enhance pedestrian and bicyclist safety. The CSER investigation identified five sites that were assigned Contamination Risk Potential Ratings. A Level II Assessment identified arsenic soil impacts along the historical railroad alignment. Plan notes were provided to reduce worker and public exposure during construction activities.

Walter J. Smith, PSM, PLS, PS, MBA

Survey Manager



Education

Master of Business Administration, Business Leadership, Belhaven College, 2006
Bachelor of Science, Business, Belhaven College, 2006
Bachelor of Science, Construction Technology, IUPUI
Associates of Arts, Purdue University

Licensure/ Certification

Professional Surveyor and Mapper, FL #LS4807
Professional Surveyor, IN #LS80880039

Years of Experience

Years with ESP 4
Total 38

Mr. Smith has over 42 years of experience in the construction Engineering and surveying industry, including a four-year tenure as the District Location Surveyor for the Florida Department of Transportation, District Five. Prior to joining ESP, Mr. Smith was president and founder on OMC Surveying & Mapping, LLC. Mr. Smith serves as ESP's Florida Survey Manager and is engaged in performing surveys in the areas of GPS, GIS, geodetic surveys, design and right-of-way surveys, bathymetric and hydrographic surveys, acquisition surveys, control surveys, right-of-way mapping and legal descriptions along with the management and implementation of QA/QC plans for projects. Mr. Smith has participated in numerous statewide committees, establishing policy and procedures for various survey functions for public entities and working groups.

Key Project Experience

FPL / North Florida Resiliency Connector 46-Mile 230kV Transmission Corridor | Madison & Jefferson Counties, FL

Survey manager for surveying and mapping services on 46 miles of new 230kV transmission line, including the location of key features and topography within a 100-foot corridor running on the north side of I-10 through Madison and Jefferson counties in Florida. ESP is using a combination of aerial lidar, GPS, robotic total stations, and underground utility locating equipment to collect the required information. ESP is providing complete surveying services in support of this new transmission line, including: horizontal & vertical control, mainline design/topographic surveys, tree surveys and vegetation, utility coordination/location, pole and ROW staking, as-built surveys, route in-line drawings, and easement drawings and local descriptions. ESP prepared 385 boundary survey drawings for use in the easement acquisition process. Aerial lidar and digital orthophotography was used to provide a complete PLS CAD model including CAD base maps.

City of Bradenton On-Call Services Contract

Principal-in-charge and project manager for as-needed surveying services in support of City of Bradenton roadway, sidewalk, and utility improvement projects. Mr. Smith manages the on-call services contract that has included eight major stormwater and three sidewalks to school projects. These projects require detailed topographic design surveys, R/W surveys, utility designation, location and subsequent SUE verification work. We have completed more than 22 miles of street and roadway projects as well as the 8 miles of sidewalk projects. Each project begins with the development of a detailed scope of services and project limits with the city engineer. Once we have prepared the scope and fees, we receive the notice to proceed for the task assignment. We provide weekly progress report for each working assignment and coordinate with city staff for various functions throughout the project task. Final submittals include the signed and sealed base maps, detailed ACAD / Civil 3D files that include the DTM and the cross-section files. In addition, we provide utility reports for specific SUE tasks requested for the project.

FPL, Whitfield Sketch & Descriptions for Easements | Sarasota County, FL

Field survey supervisor to prepare a complete base mapping for the 16-mile FPL corridor in Sarasota County. ESP provided a complete topographic survey, R/W base maps for the corridor and adjacent properties, tree survey to Sarasota County

Standards, individual parcel boundary surveys for easement and R/W acquisition. We prepared sketches and descriptions for the Sarasota County parcels utilizing the Sarasota County Standards. Final Deliverables included complete ACAD Civil 3D files along with final PDF files and a PLSSCAD database.

Carolyn Fitzwilliam

Project Manager/Quality Support



Experience – 30 Years

Ms. Fitzwilliam is an accomplished communications veteran with experience as an award-winning newspaper journalist, as well as serving a broad array of clients with their media and public relations needs. She has served the Florida Department of Transportation for nearly six years providing public information and public engagement support for projects in planning, PD&E, design, and construction. She has a proven ability to develop and implement communications strategies for a variety of audiences, incorporating a targeted combination of grassroots approaches, traditional outreach using print and social media, and mobile outreach tactics to reach underserved communities. Ms. Fitzwilliam has proven ability to manage multiple assignments concurrently, completing all tasks on time and within budget.

RELEVANT PROJECT EXPERIENCE

Florida Department of Transportation (FDOT) District Five, Public Engagement Consultant for District Design

Central Florida (August 2019 – Present)

Ms. Fitzwilliam supports the district design team in creating and implementing effective public engagement efforts. Her duties include reviewing and providing input on public engagement plans, reviewing documents for adherence to district communications style and guidelines, and assisting the team with developing public engagement tools that can be used across multiple projects

FDOT District Five - S.R. 507/Babcock Street Widening, PD&E Study

Brevard County, FL (October 2017 – 2018)

Ms. Fitzwilliam supported the public involvement efforts by drafting the Public Involvement Plan, identifying stakeholders and preparing the mailing lists and performing facility evaluations to identify appropriate public meeting locations. She also provides quality control and public meeting preparation support.

Coastal Connector - I-75 Alternative Corridor Evaluation Study

Citrus and Marion Counties (March 2017- June 2018)

Ms. Fitzwilliam provided meeting coordination support for two kickoff meetings and two corridor alternatives public meetings in connection with the Florida's Turnpike Enterprise Coastal Connector study. Specific tasks included site evaluation and facility coordination, assistance with development of meeting materials, meeting support and follow-up

FDOT District Five - NASA Causeway Bridges 703001 and 703002 PD&E Study

Brevard County (March 2018 - Present)

Ms. Fitzwilliam supported this project by assisting with development of the Public Involvement Plan, data collection, facility evaluation and meeting coordination for the alternatives public meeting and a public hearing.

FDOT District Five - South Sumter Connector Trail PD&E Study from the Withlacoochee Trail to the James Fleet Trail

Sumter County (May 2017 – November 2018)

Ms. Fitzwilliam supported the public outreach, including document preparation, data collection, facility evaluations and meeting preparations, and quality control.

Osceola County, Poinciana Boulevard, Boggy Creek and Partin Settlement Widening Projects

Osceola County (June 2020 – Present)

Osceola County is evaluating alternatives to widen these three crucial roadways under separate projects with three different firms. Ms. Fitzwilliam is serving as project manager and supporting the public engagement on all three projects. The Part A alternatives evaluation will explore options, with design following as Part B of the contracts.

Lake County, Round Lake Road Widening and Extension Design

Lake County (May 2020 – Present)

Ms. Fitzwilliam is supporting the public engagement efforts for this widening project along Round Lake Road from the Orange/Lake County line to S.R. 44, which includes the construction of three roundabouts. Tasks include quality review and assistance with developing the Community Awareness Plan, project newsletters and organizing the public meeting.

City of Orlando Bicycle Plan Update

Orlando, FL (October 2018 – October 2019)

Ms. Fitzwilliam provided public involvement support for this effort to update the City's Bicycle Master Plan. Duties included developing a Community Outreach Plan, helping to coordinate public meetings, coordinating pop-up kiosks to invite participation from minority and low-income families, and assisting with creation of project information and notifications.

Slavia Road Capacity Improvements Design, Phase I, Seminole County

Seminole County, FL (March 2020 – Present)

Seminole County has begun a project to design three concept alternatives for increasing capacity and enhancing safety along Slavia Road from Red Bug Lake Road to S.R. 426. Ms. Fitzwilliam is leading the public involvement efforts for this project, including developing the Community Awareness Plan, developing a stakeholder database and mailing list, facility evaluation, public meeting coordination, and development of informational and presentation materials for the project.

Central Florida Expressway Authority - Concept, Feasibility and Mobility Studies

Orange, Seminole and Osceola Counties (December 2016 – May 2018)

In support of the Authority's construction public information contract and the Concept, Feasibility and Mobility Studies in Osceola County, Ms. Fitzwilliam assisted with document review, public meeting coordination and follow up, and preparing the Comments & Coordination Report for the studies. Additionally, Ms. Fitzwilliam provided event support for CFX E-PASS marketing efforts, as well as the ribbon cutting event and 5K race for a section of the Wekiva Parkway.

FDOT District Five - U.S. 1 at Matanzas Woods Parkway Roundabout Design

Flagler County, FL (June 2018 – November 2018)

Ms. Fitzwilliam provided public meeting coordination and support for the design of a multi-lane roundabout at the intersection of U.S. 1 and Matanzas Woods Parkway in Palm Coast. Specific tasks included developing meeting notification materials, developing the mailing list, preparing the meeting presentation, and meeting attendance and meeting follow-up.

FDOT District Five, U.S. 1 at Old Dixie Highway Roundabout Design & Construction

Flagler County (November 2017 – August 2019)

Ms. Fitzwilliam provided public involvement support for the design of a roundabout on U.S. 1 at Old Dixie Highway in Flagler County. Activities included drafting the Community Awareness Plan, conducting site evaluations for potential public hearing locations, preparing the stakeholder mailing list, drafting invitation letters and notices, and public meeting support. Ms. Fitzwilliam also provided public information services for construction, including organizing a pre-construction stakeholders meeting, preparing and distributing a project information flyer, and distributing regular email updates to stakeholders who joined the mailing list.

FDOT District Five, Community Outreach Coordinator

Volusia County, FL (December 2015 – August 2019)

Ms. Fitzwilliam served as a Community Outreach Coordinator for construction in Volusia and Flagler counties as part of the districtwide FDOT construction public information services contract. In this role, she worked to keep the community well-informed about all FDOT construction projects in her area. Activities included developing and distributing project information flyers before construction, meeting with business owners and residents in person where possible to discuss upcoming projects, updating local and county elected and appointed officials, and fielding public inquiries throughout the project.

EDUCATION

- Syracuse University: cum laude graduate with bachelor's degrees in Journalism (Newspaper) and International Relations (interdisciplinary program within the College of Arts and Sciences)

PROFESSIONAL DEVELOPMENT

- Lean Six Sigma Yellow Belt Certification – 2014
- Florida Department of Transportation Public Involvement Training – 2016
- Roadway Construction Plans Reading -- 2016
- Federal Emergency Management Agency – Public Information Officer Awareness Course – 2016
- ADA and Public Rights of Way Accessibility Guidelines training, FDOT District Five, May 2018