



Lake County | **NORTH LAKE
TRAIL PHASE 3 PD&E
STUDY** (RSQ 22-901)

September 29, 2021



2 | Forms



ATTACHMENT 1 – SUBMITTAL FORM

22-901

The undersigned hereby declares that: WGI, 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 a **North Lake Trail Phase 3 PD&E Study** 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 date of the purchase order 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 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: YES

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. NONE

ATTACHMENT 1 – SUBMITTAL FORM

22-901

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: Orlando, 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: WGI, Inc.
 Street Address: 800 N. Magnolia Avenue, Suite 1750
 City: Orlando State and ZIP Code: FL 32803
 Mailing Address (if different): same
 Telephone: 407.581.1221 Fax: 407.581.1222
 Federal Identification Number / TIN: 65-0271367
 DUNS Number: 938414349

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: *Nancy Clements, PE*

ATTACHMENT 1 – SUBMITTAL FORM**22-901**

Date: 9/29/2021

Print Name: Nancy Clements, PE

Title: Senior Vice President | Principal In Charge

Primary E-mail Address: Nancy.Clements@WGInc.com

Secondary E-mail Address: N/A

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

Florida Profit Corporation
WGI, INC.

Filing Information

Document Number S66593
FEI/EIN Number 65-0271367
Date Filed 07/12/1991
State FL
Status ACTIVE
Last Event AMENDMENT
Event Date Filed 12/17/2020
Event Effective Date NONE

Principal Address

2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Changed: 01/09/2017

Mailing Address

2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Changed: 01/09/2017

Registered Agent Name & Address

FONTAINE, KATE
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Name Changed: 11/09/2018

Address Changed: 11/09/2018

Officer/Director Detail

Name & Address

Title CHAIRMAN EMERITUS

WANTMAN, JOEL
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title VP LAND DEVELOPMENT

BROPHY, JEFFREY N
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title VP TRANSPORTATION

CLEMENTS, NANCY A
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title DIRECTOR - ARCHITECTURE

Luttmann, Eric
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title PRESIDENT

SAUTER, GREGORY
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title CEO

WANTMAN, DAVID
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title SURVEY MANAGER

SLAYMAKER, JEREMIAH
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title SECRETARY

Fontaine, Kate
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title SVP - GEOSPATIAL

HANSON, ROBERT
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Title DIRECTOR - OPERATIONS

DeBosier, Kim
2035 VISTA PKWY
WEST PALM BEACH, FL 33411

Annual Reports

Report Year	Filed Date
2021	01/07/2021
2021	06/09/2021
2021	08/05/2021

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

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

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

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
WGI, 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.

Individual/sole proprietor or single-member LLC C Corporation S Corporation Partnership Trust/estate

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.

Other (see instructions) ▶ _____

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) **5**

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
2035 Vista Parkway

6 City, state, and ZIP code
West Palm Beach, FL 33411

7 List account number(s) here (optional)

Requester's name and address (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

6	5	-	0	2	7	1	3	6	7
---	---	---	---	---	---	---	---	---	---

Part II Certification

Under penalties of perjury, I certify that:

- 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
- 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
- I am a U.S. citizen or other U.S. person (defined below); and
- 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 ▶ Date ▶ **1/4/2021**

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.

ADDENDUM NO. 1

22-901



REAL FLORIDA • REAL CLOSE
Office of Procurement Services

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

SOLICITATION: North Lake Trail Phase 3 PD&E Study

09/16/2021

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. On page 15 of Exhibit A – Scope of Work/Services it states that the consultant will provide an evaluation of the railroad bridge on Oakland Drive. In our preliminary review of the project location, the bridge appears to be located in Mt. Dora and so not actually in the project limits provided on page 16.

Is this bridge part of the scope for this project? Or is there another bridge within the project limits to be evaluated?

R1. The Oakland Drive bridge is not part of the project. The bridge that is included in the study is the CR 445 Bridge over Alexander Creek.

Q2. What is the contract's budget?

R2. The budget is \$2,000,000.00

Q3. Under the Vendor Profile section, Lake County asks respondents to “Include copies of any required licenses or permits. Provide a copy of the current State of Florida Board of Professional Regulation License.”

Does this requirement only apply to the prime consultant, or should we include all licenses/permits from subconsultants as well?

R3. This requirement is only for the prime consultant. Copies of any required licenses or permits from subconsultants will be requested at the County’s discretion.

Q4. Is this project Local Area Program (LAP) Funded?

R4. This is not a LAP project. It is funded by FDOT through a legislative apportionment. The FM number is FM# 430975-2.

Q5. Attachment 3 References form (which is also referenced as Attachment 2) says to list 5 project less than 5 years old. The RFQ on page 3 under B2, Past Performance, it says to list 3 verifiable reference/relevant projects completed within the last 3 years similar/same in magnitude. Do you want projects within the past 3 years or the past 5 years?

R5. Please list a minimum of the three (3) most relevant projects from past five (5) years

[Acknowledgement page follows.]

Page 1 of 2

ADDENDUM NO. 1

22-901

ACKNOWLEDGEMENT

Firm Name: WGI, 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: *Nancy Clements, PE*

Date: 9/16/2021

Print Name: Nancy Clements, PE

Title: Senior Vice President, Transportation

Primary E-mail Address: Nancy.Clements@wginc.com

Secondary E-mail Address: N/A

Client#: 25411

WGIINC

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/28/2021

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 any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022		CONTACT NAME: Carly Underwood PHONE (A/C, No, Ext): 770.670.5324 FAX (A/C, No): E-MAIL ADDRESS: carly.underwood@greyling.com	
INSURED WGI, Inc. 2035 Vista Parkway Suite 100 West Palm Beach, FL 33411		INSURER(S) AFFORDING COVERAGE NAIC # INSURER A : National Union Fire Ins. Co. 19445 INSURER B : The Continental Insurance Company 35289 INSURER C : New Hampshire Ins. Co. 23841 INSURER D : Berkley Insurance Company 32603 INSURER E : INSURER F :	


COVERAGES **CERTIFICATE NUMBER: 21-22** **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 INSR	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:			4613985	08/01/2021	08/01/2022	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$25,000 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 OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			9775972	08/01/2021	08/01/2022	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"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10,000			6049958687	08/01/2021	08/01/2022	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			011569886	08/01/2021	08/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	Professional liab incl Pollution			AEC904648402	08/01/2021	08/01/2022	Per Claim \$5,000,000 Aggregate \$5,000,000

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

RSQ 22-901 North Lake Trail Phase 3 PD&E Study
 Certificate holder is granted additional insured status by the General Liability and Auto Liability policies on a primary and non-contributory basis. Waivers of Subrogation are provided in favor of certificate holder for General Liability, Auto Liability and Workers' Compensation. Thirty (30) day written notice of cancellation, ten (10) days for non-payment of premium is provided. The insurance evidenced by this certificate contains Cross Liability & Severability of interests provisions.

CERTIFICATE HOLDER Lake County, a Political Subdivision of the State of Florida and the Board of County Commissioners P.O. Box 7800 Tavares, FL 32788-7800	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--

© 1988-2015 ACORD CORPORATION. All rights reserved.

ATTACHMENT 3 - TEAM COMPOSITION

22-901

CONSULTANT

ROLE	Name	City of Residence	Florida Active Registrations Number
Principal in Charge	Nancy Clements, PE	Orlando, FL	PE54923
Project Manager	Bill Evans, PE, AICP	Lake Worth, FL	PE45207
Deputy Project Manager	Henri Belrose, PE	Orlando, FL	PE56761
QA/QC Manager	Lee Dowden, PE, LEED AP	Tampa, FL	PE46582
Roadway	George Knox, PE	Orlando, FL	PE82283
Roadway	Lilli O'Steen, EI	Ocoee, FL	
Roadway	Ryan Owens, EI	Mount Dora, FL	
SEE ADDITIONAL STAFF	ON FOLLOWING PAGE		

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)
Corridor Analysis	HDR Engineering, Inc.	315 E. Robinson St, Suite 400 Orlando, FL 32801	Jeff Arms, PE, PMP, AICP, PTOE	12%	Yes	No
			Mark Suarez, PE			No
			Tyler Vallila, PE			No
Traffic and Bike/Ped Safety			Jamie Krzeminski, PE			No
			Matt Wiesenfeld, PE, AICP			No
			Aubyn Bell, AICP			No
Sociocultural Effects			Michele Brennan			No
Public Involvement			Teresa Donaldson			No
NEPA Documentation			Victor Muchuruza, Ph.D, PE, PTOE			No
Natural Resources Evaluation	Environmental Science Associates	5401 S. Kirkman Rd, Suite 475 Orlando, FL 32819	Sandy Scheda	12%	Yes	Yes
			Tori Kuba			Yes

ATTACHMENT 3 - TEAM COMPOSITION

22-901

CONSULTANT

ROLE	Name	City of Residence	Florida Active Registrations Number
Roadway	Maria Bolivar, EI	Oviedo, FL	
Drainage & Permitting	Murray Santoro, PE	Windermere, FL	PE66065
Drainage & Permitting	Michael Almeida, EI	Casselberry, FL	
Drainage & Permitting	Jackson Glover, EI	Orlando, FL	
Utility Assessment	Chris Stermer	Hudson, FL	
Utility Assessment	Sam Gonzalez	Riverview, FL	
SEE ADDITIONAL STAFF	ON FOLLOWING PAGE		

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)
Aerial Photography	I.F. Rooks & Associates, Inc.	106 NW Drake St	Ike Rooks, PSM	5%	Yes	Yes
		Plant City, FL 33563	Dave McKay, PSM, CP			Yes
Geotechnical	Nadic Engineering Services	601 N. Hart Blvd	Godwin Nnadi, Ph.D, PE	3%	No	No
		Orlando, FL 32818				
Cultural Resources Evaluation	Search, Inc.	3117 Edgewater Dr	Mikek Travisano, MS	4%	Yes	Yes
		Orlando, FL 32804	Angela Matusik, MA			Yes
						Yes
Structures	Florida Bridge & Transportation, Inc.	633 Dartmouth St	Mike Hebert, PE	5%	Yes	Yes
		Orlando, FL 32804	Juan Valenzuela, PE			Yes

ATTACHMENT 3 - TEAM COMPOSITION

22-901

CONSULTANT

ROLE	Name	City of Residence	Florida Active Registrations Number
Survey and Mapping	Al Quickel, PSM	Groveland, FL	LS6481
Survey and Mapping	Eric Orndorff, PSM	Maitland, FL	LS7248
Contamination Screening	John Abbott, PG, CEP	Coral Springs, FL	PG2401
Complete Streets	Angela Biagi, PLA, LEED BD+C	West Palm Beach, FL	LA6666787
Complete Streets	Christine Crespo, PLA	Tampa, FL	LA6667421
Complete Streets	Lisa Nisenon	West Palm Beach, FL	

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)
Public Involvement	Global-5, Inc.	2180 W State Road 434	David Parks	3%	Yes	No
		Suite 1150	Austin Vaughn			No
		Longwood, FL 32779	Chris Patton			No



PROJECT MANAGER

Bill is a senior transportation project manager actively engaged in leading WGI consultant teams through controversial and complex Florida Department of Transportation (FDOT), project development and environmental (PD&E) studies, and National Environmental Policy Act (NEPA) corridor studies on major interstate, managed lanes, and arterial highways. Through a comprehensive understanding of planning, environmental effects analysis, and engineering. He creates successful alternative solutions, solving regional and local transportation needs. He also has extensive experience running public involvement programs and working with community leaders to gain consensus.



**William (Bill)
Evans, PE, AICP**

RELEVANT EXPERIENCE

SR 25/Okeechobee Road PD&E Study, FDOT District 6, Miami-Dade County, FL, Project Manager.* Bill served as project manager. This project was a five-mile urban arterial capacity improvement study. Six historic cultural resources required either Section 106 or Section 4(f) consultation with an Individual Section 4(f) Statement prepared. The first Section 6(f) conversion of a linear park was coordinated and approved, which resulted in the "conversion" of non-recreational land to recreational purposes upon which the Section 6(f) rights were transferred. The team developed multiple corridor alternatives and the selected alternative included an open-cut depressed roadway section underneath an active FEC railway and under an urban expressway, reconstructing two low-level bridges, and one high-level left turn flyover. Environmental document was Type 2 Categorical Exclusion, Individual Section 4(f) Statement, and Section 6(f) Conversion.

Ludlam Rail-to-Trail Feasibility Study, Miami-Dade County, FL, FDOT District 6, Project Manager.* Bill was responsible for leading the planning team and coordination with local agencies. The 6-mile corridor involved co-locating the trail on abandon Florida East Coast (FEC) Railway corridor, identification of trailhead locations, connections with other trails and bicycle routes.

Historic Steel Bridge Rehabilitation PD&E Study, Miami-Dade County, FDOT District 6, Project Manager.* Bill served as project manager for this project for the preservation of two historic steel bridges and developing concepts for a new pedestrian / bike bridge, which included extensive community involvement. The team evaluated 42 alternatives and developed five alternative packages and an aesthetics video. The project was a Section 106 consultation and environmental document was Type 2 Categorical Exclusion.

I-75 at CR 514 PD&E Study, Sumter County, FL FDOT District 5, , Project Manager.* Bill served as project manager on this interchange justification report re-evaluation and PD&E study for I-75 at CR 514, which provides access to southern Sumter county. Multiple interchange alternatives were developed to avoid natural and cultural impacts. An extensive archaeological evaluation was conducted, and the environmental document was a Type 2 Categorical Exclusion.

North Jones Loop Road (CR 768) Feasibility and PD&E Study, Charlotte County, FL, FDOT District 1, Project Manager.* Bill was responsible for leading the PD&E team and the public involvement program for this project. CR 768 is a key evacuation corridor and access to the Enterprise Charlotte Airport Park. The feasibility study evaluated traffic conditions and preliminary concepts to gain local support. Local agency coordination was a key function to develop concepts with Charlotte County.

SR 7 (US 441) Feasibility and PD&E Study, Palm Beach County, FL, FDOT District 4, Project Manager.* Bill was the project manager for two components: Acreage Connector study, and SR 7 PD&E study for SR ,7 from Okeechobee Road to Northlake Blvd. The Acreage Connector feasibility study was a fast-track delivery for Palm Beach County to build the first three miles of two-lane roadway, which could later potentially serve as SR 7/US 441. By leveraging prior studies, the county utilizes the study to select a viable county road alternative to meet their transportation needs and accelerate construction. The SR 7 PD&E study continued after completion of the Acreage Connector study. Bill's responsibilities included evaluating several corridors and alternative alignments for a new six-lane divided arterial (project length of 11 miles). The study area involved expansive wetlands with sensitive conservation lands, potable water storage reservoirs, endangered species, residential communities, and businesses. Active public participation and interagency coordination was important to the success of the study. This study involved four municipalities, five permitting districts, and many state and federal agencies. The environmental document was an Environmental Impact Statement.

REGISTRATIONS:

Professional Engineer: Florida
#PE45207, 1992

American Institute of Certified
Planners: #015249, 1999

Professional Engineer:
Louisiana #PE 0040228, 2015

EDUCATION:

Bachelor of Science in Civil
Engineering, Civil Engineering -
University of Florida, 1987

YEARS OF EXPERIENCE

TOTAL: 33

WITH WGI: <1

**prior to joining WGI*

SR 847 (NW 47 Ave) PD&E Study, Miami-Dade County, FL, FDOT District 6, Project Manager.* Bill was responsible for directing daily activities of the PD&E team and public involvement program. The project evaluated widening and reconstruction of the busy arterial which connects two major counties. To minimize impacts and Environmental Justice concerns, detailed analysis of the right-of-way and property access identified solutions to widen the roadway, provide access, and improve safety. Access management techniques and a wide median allowed for U-turns on this four-lane facility to enhance safety and residential property access. Improvements were developed with retail shopping owners and business stakeholders to identify solutions and minimize impacts to commercial parking. This study implemented a pilot-SWAT process where FDOT engineers initiated preliminary design phase promptly after the alternatives public workshop as the project finished the public hearing phase and location design concept acceptance. The environmental document was Type 2 Categorical Exclusion.

Indian River MPO General Planning Support, Indian River County, FL, Indian River County MPO, Project Principal.* Bill was responsible for contract oversight, staffing resources and planning support on a multi-year work order contract. Task work orders included safe way to school study, bus ridership study, transit development plan update and pedestrian bike access study.

Golden Gate Parkway (CR 886) Feasibility Study and Design, Collier County, FL, Collier County Transportation Department, Senior Transportation Engineer.* Bill was responsible for the planning study and public involvement for the new arterial interchange at Airport Pulling Road and Golden Gate Parkway, the first arterial interchange by the County. To gain public approval, an extensive aesthetics package was prepared with visualization and traffic analysis. Key floodway drainage design and utility relocations minimized right-of-way acquisition. The project schedule was five years, from planning-start to construction-complete.

SR 76 RRR Design, Martin County, FL, FDOT District 4, Project Manager/Engineer of Record.* Bill was responsible for final design of a 1.6-mile, six-lane urban arterial for SR 76. His responsibilities included preparing a complete construction plan set for milling and resurfacing of the roadway, signalization, lighting, drainage video inspection, drainage repair, American Disabilities Act (ADA) improvements, and landscape. Access management was upgraded to current standards and median modifications were implemented.

SR 5/US 1 Widening, Martin County, FL, FDOT District 4, Project Manager/Engineer of Record.* Bill was responsible for the construction plans set to address pavement, shoulder, and bridge culvert widening from Wright Boulevard to Jensen Beach Boulevard. He led public involvement activities and was responsible for directing the project team and for client coordination. The project involved both suburban and urban six-lane typical sections with median and drainage improvements.

CR 510 Final Design, Indian River County, FL, Indian River County Public Works, Project Manager.* Bill was responsible for managing the roadway and structure design activities and coordination with the client and local developers. The purpose of this project was to widen/reconstruct 3.25 miles of CR 510 (Wabasso Road) from CR 512 to 75th Court, from the existing two-lane rural roadway to a four-lane divided suburban roadway, with accommodations for an ultimate six-lane facility. Design elements included roadway, drainage, bridges, permitting, traffic control, utility adjustments, signing and pavement marking, signalization, lighting, and landscape architecture. Additional elements included a three-span continuous cast-in-place concrete flat slab bridge; three single-span AASHTO girder bridge canal crossings; three box culverts; canal relocation; bridge plans for three canal crossings; and St. Johns River Water Management District (STRWMD) and Sebastian River Water Control District permit applications.

Districtwide PD&E and ETDM Support Services, FDOT District 4, Districtwide, Project Manager.* Bill was the project manager for this contract, which included 32 task work orders for individual studies and on-site support services. Work orders included a 110-mile origin destination study, PD&E re-evaluations, bridge feasibility studies, and interstate ramp studies.

Turnpike Widening (SR 821), Miami-Dade County, FL Florida's Turnpike Enterprise, Project Manager.* Bill was responsible for leading the PD&E team on the southern terminus of the Turnpike system at US 1 in Florida City. Initial planning developed 12 concepts and rankings to identify the preferred alternative. The typical section analysis included 6LD, 8LD, and with and without managed lanes. A virtual room with a 3D model was prepared. Environmental classification was SEIR.

I-95 from High Meadow Avenue to Becker Road PD&E Study, Martin/St. Lucie Counties, FL, FDOT District 4, Project Manager.* Bill was responsible for directing daily activities of the PD&E team and leading the public involvement program. The project involved evaluation of mainline widening alternatives for three interchange modifications, one interchange feasibility study, rest area ramps, and ramps at the truck weigh-in-motion facility and Florida Turnpike. An interchange operational analysis report was approved by Federal Highway Administration. The environmental document was a Type 2 Categorical Exclusion.



PRINCIPAL IN CHARGE

Nancy serves as senior vice president, transportation, and is a member of the senior leadership team. Nancy has spent the past 30 years contributing to several challenging transportation and toll-road programs. She was a project manager for the design team on the Boston Central Artery Tunnel Project, the largest public works project in the U.S. at that time. Nancy also served as the planning and production director for Florida's Turnpike Enterprise for five years, the second-largest toll facility in the U.S. Her work for both organizations informs her big-picture thinking, style of management, and focus on people.

RELEVANT EXPERIENCE

Taylor Road PD&E Study from US 41 to Airport Road, Charlotte County, FL, FDOT District 1, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. The scope of this PD&E study was to evaluate pedestrian and bicyclist accommodations on a shared use path along approximately 3.5 miles of Taylor Road in Punta Gorda (Charlotte County). The project was divided into two planned design segments—Segment 1, from Jones Loop Road to Airport Road, and Segment 2, from US 41 to Jones Loop Road.

St Johns River to Sea Loop Trail-Palmetto Avenue Ridge Boulevard to Beville Road, Volusia County, FL, FDOT District 5, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. This segment of the St. Johns River to Sea Loop Trail consists of a 10-foot to 12-foot-wide trail. The trail will run along the east side of S. Palmetto Avenue from Ridge Boulevard to Beville Road. The trail will then run along the north side of Beville Road for approximately 110 feet, connecting to the existing trail on the west side of S. Palmetto Avenue which leads into Daytona Beach. Design includes roadway, drainage, lighting analysis, S&PM, 3D modeling, utility coordination, survey, subsurface utility engineering (SUE) services, right-of-way mapping, geotechnical studies, minor structures, cultural resources, environmental survey, and permit exemption.

Schofield Road from US 27 to Lake-Orange County Line, Lake County, FL, CEMEX, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. Project included reconstruction of Schofield Road from an existing dirt road to a two-lane rural collector roadway serving the primary access route for the CEMEX Four Corners sand mine. The total project length is five miles, beginning at US 27 and ending at the Lake-Orange County line. In coordination with Lake County, elements for a future four-lane divided typical section were incorporated into the design. At the county line, the design included an interim connection to the existing roadway and accommodations for the ultimate re-alignment of Schofield Road into Orange County. Stormwater management was permitted through SJRWMD. Design required extensive coordination with Water Conserv. II, a partnership between the City of Orlando and Orange County, who own a 30-inch reclaimed water main used for agricultural irrigation. The water main runs along most of the project limits.

Sunlake Boulevard from Ridge Road to SR 52 Roadway Development, Pasco County, FL, Metro Development Group, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. The Angeline Development is located in Pasco County south of SR 52 and east of the Suncoast Parkway. Sunlake Boulevard is the main road through the Angeline development from north to south. The project is in a CDD and is part of the Connected City program. Phase 2A of the development includes 590-single family units and associated amenities on approximately 430 acres. This project will design and permit approximately four miles of the road from SR 52 to the future Collector Road south of the future Ridge Road alignment. The roadway section will include a four-lane divided urban curb and gutter (expandable to six lanes), with five-foot bike lanes, six-foot sidewalk (along one side-TBD), 12-foot multi-use path (along the opposite side) and five-foot communications easement adjacent to the multi-use path. The roadway design will also include the design of several roundabout intersections and the widening of SR 52 to accommodate the required turn lane improvements. The proposed Sunlake Boulevard/SR 52 intersection will require a signal warrant analysis and a signal design. Bridge structures will be designed when the alignment crosses designated wetlands in order to minimize impacts.



Nancy
Clements, PE

REGISTRATIONS:

Professional Engineer: Florida
#PE54923, 1999

Structural Engineer:
Massachusetts #37851, 1994

EDUCATION:

Bachelor of Science, Civil
Engineering - Worcester
Polytechnic Institute, 1989

Bachelor of Arts, Economics -
Framingham State College,
1981

AFFILIATIONS:

American Council of
Engineering Companies of
Florida, Transportation
Committee

Florida Engineering Society

WTS, Emerging Professionals
Chair - CFL Chapter

YEARS OF EXPERIENCE

TOTAL: 32

WITH WGI: 14

Pedestrian/Bicycle Bridge Concept Additional Services, Miami-Dade County, FL, City of Doral, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. This project included the development of Design-Build RFP criteria for architecture and bridge aesthetics, utility coordination, and environmental documentation for a ped/bike bridge. Deliverables and specific RFP components included a bridge aesthetic manual, completed permitting applications, and utility documentation.

SR 429 (Wekiva Parkway) Segment 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5. Nancy served as the principal in charge and was responsible for overall delivery of the project. This project designed and constructed 5.5 miles of a limited-access toll road, largely along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included a non-tolled service road for local travel, three new bridges over the Wekiva River, and several pairs of wildlife bridges to allow animals to pass safely between the Seminole State Forest and Rock Springs Run State Reserve. A multi-use trail was included along this section. Other services included bridge design, connector roads between remaining sections of CR 46A and SR 46, roadway widening, medians, turn lanes, drainage, lighting, signing and pavement marking, utilities, and other roadway features.

SR 45/US 41/N Florida Avenue at N Independence Highway Trail Connection Realignment, Citrus County, FL, FDOT District 7, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. This project was for the design of the realignment of the Withlacoochee Trail at the crossing at US 41/North Florida Avenue at North Independence Highway. The project included new trail approaches and pedestrian detector push buttons in advance of the trail crossing with North Independence Highway and relocation of existing pedestrian signal poles.

60th Avenue West at 34th Street West Safety Improvements, Manatee County, FL, FDOT District 1, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. Elements of work consisted of installing detectable warning surfaces for existing curb ramps, replacing five-section signal heads with four-section flashing yellow arrow signal heads, and installing high-emphasis crosswalk markings. Services included signal plans preparation, signing and pavement marking plans preparation, existing mast arm structural analysis for new loads, and roadway plans production.

Kernan Boulevard from Atlantic to McCormick Design-Build, Duval County, FL, Jacksonville Transportation Authority, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. This design-build project was completed six months ahead of schedule and on budget. It widened nearly three miles of roadway, added a **new** shared-use path, and included extensive drainage, signalization, and lighting. The existing two-lane rural section roadway was widened to six lanes for the southern portion and to four lanes for the northern portion. Key innovations included revised pond shapes to save heritage oak trees, a modified pond to avoid costly sanitary force main relocations, and a modified bridge culvert to save extension on one side and minimize the extension on the other side. The project was awarded the 2020 Florida Design-Build Institute of America Honor Award in the Transportation-Roadway category.

US 41 Pedestrian Safety Study at Dunellon City Hall, Marion County, FL, FDOT District 5, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. This project was a pedestrian safety study of US 41 in front of the City Hall to determine if a mid-block crosswalk was warranted. The study entailed gathering existing data on pedestrian volumes and crashes, conducting a qualitative assessment of the area in question, and developing alternatives and recommendations for improvements including benefit/cost analyses.

Colonial Parkway (SR 50) from Woodbury Road to SR 520 PD&E, Orange County, FL, Florida's Turnpike Enterprise, Principal. Nancy served as the principal in charge and was responsible for overall delivery of the project. WGI assisted with this PD&E study for widening of Colonial Parkway (SR 50/SR 504). Located in Orange County, this study evaluated alternative improvements for widening of a seven-mile segment of SR 50 between Woodbury Road and SR 520, along with the inclusion of limited access general toll lanes within the corridor known as Colonial Parkway. SR 50 (Colonial Drive) is an east-west principal arterial facility. The proposed facility extends from SR 408 at its current eastern terminus, to SR 520 along the SR 50 corridor and provides added capacity and higher speeds on this tolled east-west corridor to relieve existing and future congestion along existing roadways. The project corridor includes a crossing of the environmentally sensitive Econlockhatchee River. WGI provided survey, utility locates, roadway, and landscape architecture services for the study.



Lee is a civil engineer with extensive design experience, including project management experience in various phases of transportation design encompassing federal, state, and county projects. Key design aspects include establishment of horizontal and vertical geometry, drainage systems, flexible pavement designs, traffic control details, and coordination of utility relocation. Lee's project management responsibilities include client and subconsultant communication and coordination, budget negotiation and control, quality control and quality assurance procedures, construction assistance, and shop drawing review.

RELEVANT EXPERIENCE

SR 429 (Wekiva Parkway) Segment 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5, QA/QC Manager. Lee served as QA/QC manager. This project designed and constructed 5.5 miles of a limited-access toll road, largely along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included a non-tolled service road for local travel, three new bridges over the Wekiva River, and several pairs of wildlife bridges to allow animals to pass safely between the Seminole State Forest and Rock Springs Run State Reserve. A **multi-use trail** was included along this section. Other services included bridge design, connector roads between remaining sections of CR 46A and SR 46, roadway widening, medians, turn lanes, drainage, lighting, signing, and pavement marking, utilities, and other roadway features.

St Johns River to Sea Loop Trail-Palmetto Avenue Ridge Boulevard to Beville Road, Volusia County, FL, FDOT District 5, QA/QC Manager. Lee served as QA/QC manager. This segment of the St. Johns River to Sea Loop Trail consists of a 10-foot to 12-foot-wide trail. The trail will run along the east side of S. Palmetto Avenue from Ridge Boulevard to Beville Road. The trail will then run along the north side of Beville Road for approximately 110 feet, connecting to the existing trail on the west side of S. Palmetto Avenue which leads into Daytona Beach. Design includes roadway, drainage, lighting analysis, signing and pavement marking, 3D modeling, utility coordination, survey, SUE services, right-of-way mapping, geotechnical studies, minor structures, cultural resources, environmental survey, and permit exemption.

SR 865 (San Carlos Boulevard) from North of Crescent Street to North of Hurricane Pass Bridge, Lee County, FL, FDOT District 1, Principal. Lee served as principal in charge. SR 865 (San Carlos Boulevard) is the main access to Fort Myers Beach. The project involved reconfiguration of existing travel lanes to provide two inbound lanes to the beach and providing pedestrian-bicyclist connectivity on both sides of SR 865. The scope included widening of the Matanzas Pass Bridge to accommodate a new shared use path and reconfiguration of lanes on the Hurricane Bay Bridge to accommodate a new barrier-separated pedestrian path. Approximately 0.5 miles of roadway was milled and resurfaced to accommodate new bicycle lanes. The temporary traffic control plan was developed to maximize access during peak beach season. The scope included new signals at Fifth Street and Main Street. Existing signals at Prescott Street/Buttwood Drive will be converted from alternating signal function to conventional signal function. The scope included extension of ATMS along SR 865 for approximately three miles. Design services included new lighting at signalized intersections and landscape. Extensive public involvement was coordinated with Town of Fort Myers Beach, Lee County, and LeeTran. Design of this project was conducted concurrent with the PD&E study.

Schofield Road from US 27 to Lake-Orange County Line, Lake County, FL, CEMEX, QA/QC Manager. Lee served as QA/QC manager. Project included reconstruction of Schofield Road from an existing dirt road to a two-lane rural collector roadway serving the primary access route for the CEMEX Four Corners sand mine. The total project length is five miles, beginning at US 27 and ending at the Lake-Orange County line. In coordination with Lake County, elements for a future four-lane divided typical section were incorporated into the design. At the county line, the design included an interim connection to the existing roadway and accommodations for the ultimate re-alignment of Schofield Road into Orange County. Stormwater management was permitted through SJRWMD. Design

QA/QC MANAGER



**Dale "Lee"
Dowden, Jr., PE,
LEED AP**

REGISTRATIONS:

Professional Engineer: Florida
#PE46582, 1993

EDUCATION:

Bachelor of Science, Civil
Engineering - University of
Florida, 1988

CERTIFICATIONS:

Florida Advanced Work Zone
Traffic Control
LEED AP

AFFILIATIONS:

American Society of Civil
Engineers
American Society of Highway
Engineers

YEARS OF EXPERIENCE

**TOTAL: 33
WITH WGI: 4**

required extensive coordination with Water Conserv. II, a partnership between the City of Orlando and Orange County, who own a 30-inch reclaimed water main used for agricultural irrigation. The water main runs along most of the project limits.

SR 580/North Dale Mabry Highway at CR 584/West Waters Avenue-Pedestrian/Bike Intersection Safety, Hillsborough County, FL, FDOT District 7. QA/QC Manager. Lee served as QA/QC manager. This safety improvement project was comprised of pedestrian refuge islands to make the pedestrian crossing distances shorter and upgrading the traffic signals to address pedestrian facilities at the existing signalized intersection of SR 580 (Dale Mabry Highway) and CR 584 (West Waters Avenue). This intersection has one of the highest pedestrian crash incidents in the County. Pedestrian refuge islands were provided between the right-turn and through movements with modifications to turn lanes, and upgrades to existing diagonal span-wire signal with signal poles. The refuge islands were designed to accommodate wide pedestrian throughways and have high-emphasis on crosswalks and pedestrian warning signage for free-flow movements that involve a right-turn lane to an added lane on the side street. Crosswalks were designated with appropriate warning signs in the islands and shoulder. The opposing left turns were designed to run concurrently. Bicycle keyholes were added adjacent to the islands to allow for future addition of marked bicycle facilities to the north. Work included pedestrian accommodations, with minimum impacts to vehicular traffic patterns, signal reconstruction, signing and pavement marking, signal poles and mast arms, controller assemblies/hardware, and re-calculating clearance timing intervals. Installation of a flashing yellow arrow was used for protected/permissive movements. A subsurface utility exploration was included to identify utility facilities and secure agreements, utility work schedules, and plans from utility agency owners (UAO), ensuring no conflict between utility facilities and the project.

US 19 (SR 55) from 44th Avenue North to Park Boulevard, Pinellas County, FL, FDOT District 7, Project Manager. Lee serves as the project manager for this 1.965-mile urban principal arterial segment of US 19 is within the urban buffer limits of the City of Pinellas Park and the Lealman Community Redevelopment Area (LCRA). It is a six-lane urban divided highway with 10- to 12-foot travel lanes, 10- to 11-foot left-turn lanes, raised curbed median, closed drainage system, and sidewalks bordered by dense overhead and underground utilities. This project improved US 19 operations by increasing the storage capacity of left-turn lanes into several side streets. WGI developed a cost-effective pavement design with lane-specific milling depths. Key design groups involved in the rehabilitation of this section of US 19 included roadway, drainage, utilities, structures, survey, SUE, lighting, signalization, and signing and pavement marking.

Sunlake Boulevard from Ridge Road to SR 52 Roadway Development, Pasco County, FL, Metro Development Group, Project Manager. Lee serves as the project manager/engineer of record and is responsible for the design and preparation of the roadway plan and profiles, the typical section package, the pavement design package, and the design for the roundabouts including the final roundabout report. The Angeline Development is located in Pasco County south of SR 52 and east of the Suncoast Parkway. Sunlake Boulevard is the main road through the Angeline development from north to south. The project is in a CDD and is part of the Connected City program. Phase 2A of the development includes 590-single family units and associated amenities on approximately 430 acres. Water, reclaimed water, and wastewater main lines in the Sunlake Boulevard right-of-way provide services for the overall development and access to Phase 2A from Sunlake Boulevard. This project will design and permit approximately four miles of the road from SR 52 to the future Collector Road south of the future Ridge Road alignment. The roadway section will include a four-lane divided urban curb and gutter (expandable to six lanes), with five-foot bike lanes, six-foot sidewalk (along one side-TBD), 12-foot multi-use path (along the opposite side) and five-foot communications easement adjacent to the multi-use path. The roadway design will also include the design of several roundabout intersections and the widening of SR 52 to accommodate the required turn lane improvements. The proposed Sunlake Boulevard/SR 52 intersection will require a signal warrant analysis and a signal design. The drainage system will consist of curb inlets conveying the storm water through pipes or swales to stormwater management facilities adjacent to the roadway and/or comingled with the adjacent development phase. Bridge structures will be designed when the alignment crosses designated wetlands in order to minimize impacts. Water, reclaimed water, and wastewater trunk lines will be provided in the Sunlake Boulevard right-of-way to provide services throughout the community.



DEPUTY PROJECT MANAGER

Henri is a vice president and senior project manager with WGI. He has worked on numerous transportation projects since 1997 and has an extensive and diverse background in project management, roadway design, cost estimating, specifications, and contract document preparation for FDOT and local municipalities. Henri excels at completing complex multi-discipline projects requiring detailed concepts and fatal flaw analysis.

RELEVANT EXPERIENCE

Taylor Road Shared Use Path PD&E Study from US 41 to Airport Road, Charlotte County, FL, FDOT District 1, Project Manager. Henri was the project manager for this PD&E study and was responsible for overall project management of the team and subconsultants. The scope of this PD&E study was to evaluate pedestrian and bicyclist accommodations on a shared use path along approximately 3.5 miles of Taylor Road in Punta Gorda (Charlotte County). The project was divided into two planned design segments—Segment 1, from Jones Loop Road to Airport Road, and Segment 2, from US 41 to Jones Loop Road.

Schofield Road from US 27 to Lake-Orange County Line, Lake County, FL, CEMEX, Project Manager. Project included reconstruction of Schofield Road from an existing dirt road to a two-lane rural collector roadway serving the primary access route for the CEMEX Four Corners sand mine. The total project length is five miles, beginning at US 27 and ending at the Lake-Orange County line. In coordination with Lake County, elements for a future four-lane divided typical section were incorporated into the design. At the county line, the design included an interim connection to the existing roadway and accommodations for the ultimate re-alignment of Schofield Road into Orange County. Stormwater management was permitted through SJRWMD. Design required extensive coordination with Water Conserv. II, a partnership between the City of Orlando and Orange County, who own a 30-inch reclaimed water main used for agricultural irrigation. The water main runs along most of the project limits.

SR 865 (San Carlos Boulevard) from North of Crescent Street to North of Hurricane Bay Bridge, Lee County, FL, FDOT District 1, Project Manager. SR 865 (San Carlos Boulevard) is the main access to Fort Myers Beach. The project involved reconfiguration of existing travel lanes to provide two inbound lanes to the beach and providing pedestrian-bicyclist connectivity on both sides of SR 865. The scope included widening of the Matanzas Pass Bridge to accommodate a new shared use path and reconfiguration of lanes on the Hurricane Bay Bridge to accommodate a new barrier-separated pedestrian path. Approximately 0.5 miles of roadway was milled and resurfaced to accommodate new bicycle lanes. The temporary traffic control plan was developed to maximize access during peak beach season. The scope included new signals at Fifth Street and Main Street. Existing signals at Prescott Street/Buttwood Drive will be converted from alternating signal function to conventional signal function. The scope included extension of ATMS along SR 865 for approximately three miles. Design services included new lighting at signalized intersections and landscape. Extensive public involvement was coordinated with Town of Fort Myers Beach, Lee County, and LeeTran. Design of this project was conducted concurrent with the PD&E study.

St Johns River to Sea Loop Trail-Palmetto Avenue from Ridge Boulevard to Beville Road, Volusia County, FL, FDOT District 5, Project Manager. This segment of the St. Johns River to Sea Loop Trail consists of a 10-foot to 12-foot-wide trail. The trail will run along the east side of Palmetto Avenue from Ridge Boulevard to Beville Road. The trail will then run along the north side of Beville Road for approximately 110 feet, connecting to the existing trail on the west side of Palmetto Avenue which leads into Daytona Beach. Design includes roadway, drainage, lighting analysis, signing and pavement marking, 3D modeling, utility coordination, survey, SUE services, right-of-way mapping, geotechnical studies, minor structures, cultural resources, environmental survey, and permit exemption.

SR 429 (Wekiva Parkway) Segment 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5, Project Manager. This project designed and constructed 5.5 miles of a limited-access toll road, largely along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included a non-tolled service road for local travel, three new bridges over the Wekiva River, and several pairs of wildlife bridges to allow animals to pass safely between the Seminole State Forest and



**Henri
Belrose, PE**

REGISTRATIONS:

Professional Engineer: Florida
#PE56761, 2001

Professional Engineer: North
Carolina #032337, 2006

EDUCATION:

Bachelor of Science, Civil
Engineering - Georgia Institute
of Technology, 1996

AFFILIATIONS:

American Society of Civil
Engineers

Florida Engineering Society,
FES #9001837

Institute of Transportation
Engineers

YEARS OF EXPERIENCE

TOTAL: 24

WITH WGI: 14

Rock Springs Run State Reserve. Wekiva Trail Segment 3 was designed and constructed as part of this project. Other services included bridge design, connector roads between remaining sections of CR 46A and SR 46, roadway widening, medians, turn lanes, drainage, lighting, signing and pavement marking, utilities, environmental permitting and gopher tortoise relocations.

FDOT District 1 Districtwide Design-Build Pushbutton (DBPB) Contract, Various Counties, FL, FDOT District 1, Program Manager. This task work order-driven Districtwide Design-Build Push-Button contract included intersection improvements, ADA upgrades, pedestrian/bicyclist safety improvements, turn lane widening/extension to increase capacity, access management median modifications, new intersection signalization and lighting, signal and lighting replacements, sidewalks, drainage and local flooding remediation, and roundabout modification. Other design services included signing and pavement markings, ITS, signal and overhead sign support structures, survey, utility coordination, subsurface utility investigation, and geotechnical support. Each task work order on this multi-year contract must be designed and constructed in under one year and with a \$1M maximum design and construction budget. Task work orders completed to date encompassed coordination with over a dozen city and county agencies across a 12-county geographic region.

Orlando South Ultimate Interchange PD&E, Orange County, FL, Florida's Turnpike Enterprise, Project Manager. This PD&E Study evaluated alternative improvements to optimize the Turnpike Mainline/SR 528 (Beachline Expressway) interchange operations. Build alternatives included improved ramp directional service within the interchange, express lane direct connections between Turnpike Mainline and Beachline Expressway, improvements to the crossroads and other local street connections, consideration of new or revised interchange access points to existing or future connecting highways, and the necessary improvements along Turnpike Mainline to include structures spanning the Turnpike Mainline to accommodate a future 10-lane expansion for buffer-separated express lanes. Subconsultant services included interchange alternatives analysis, Location Hydraulic Report, Pond Siting Report, survey, and utility coordination with over a dozen agencies, including Florida Gas Transmission (FGT). Subconsultant services also included an executed design-option for a new reliever interchange at Turnpike Mainline and Taft Vineland Road.

Suncoast Parkway at Lutz Lake Fern Road Interchange, Hillsborough County, FL, Florida's Turnpike Enterprise, Project Manager. Henri was responsible for project management as well as the roadway design elements. This design-build project included the design and construction of a new partial cloverleaf interchange connecting Lutz Lake Fern Road with the Suncoast Parkway in Hillsborough County. Because the County widening of Lutz Lake Fern Road coincided with the interchange project, close coordination was required to ensure the two projects successfully opened on time. The work included roadway design, drainage, permitting, survey, lighting, signalization, signing and pavement marking, and landscaping. The scope also included design of a trailhead parking lot on Lutz Lake Fern Road for Suncoast Trail.

US 41 (SR 45) at CR 865 (Gladiolus Drive) Pedestrian Signal Installation, Lee County, FL, FDOT District 1, Program Manager. As part of the District 1 Districtwide Design-Build Pushbutton contract, this task work order addressed safety improvements with the installation of a new pedestrian signal across the dual-eastbound right-turn lanes on US 41 at the intersection of US 41 (SR 45) at CR 865 (Gladiolus Drive) in Lee County. Elements of work included construction of the pedestrian signal, all necessary signal poles, detector assemblies and associated hardware, and pedestrian features as necessary to accommodate pedestrian traffic with minimum impact to the current vehicular traffic patterns.

SR 684 (Cortez Boulevard) at 20th Street West, Manatee County, FL, FDOT District 1, Program Manager. As part of the District 1 Districtwide Design-Build Pushbutton contract, this task work order addressed intersection safety and pedestrian improvements on SR 684 at 20th Street W. The project included replacement of pedestrian signals, installation of sidewalk, traffic separator removal, curb and gutter removal, detectable warning devices, milling and resurfacing, roadway signage, pavement markings, and necessary features to accommodate pedestrian traffic with minimum influence on the current vehicular traffic patterns.

Sligh Boulevard and Columbia Street Improvements, Orange County, FL, City of Orlando, Project Manager. The project included roadway reconstruction for replacement of water and wastewater mains. Water and wastewater replacement was permitted through FDEP. The roadway reconstruction included operational improvements at the intersections to accommodate future transit expansion and freight delivery. The rail crossing at Columbia Street was improved to facilitate the safe movement of people, vehicles, and trains within the corridor with a four-quadrant gate system. Sligh Boulevard was reconfigured to improve and accommodate turning movements for buses and freight vehicles. On-street parking was provided. The design included a raised crosswalk/intersection table at Sligh Boulevard and Copeland Street which improved ADA accessibility to the Orlando Amtrak station. Additional services included a value engineering study, design coordination with FDOT, decorative pedestrian lighting, ITS, streetscape and landscape design, utility coordination, and coordination with OUC for expansion of a power duct bank along Columbia Street.



ROADWAY

George is an experienced roadway designer on state and municipal projects. He has played an integral role in the development of roadway, traffic control, and signing and pavement marking plans, and has quickly established a reputation for consistently completing projects with outstanding quality. George is well versed in adhering to appropriate design standards and is fully trained in AutoCAD, MicroStation, GeoPAK, and 3D modeling.

RELEVANT EXPERIENCE

Taylor Road PD&E Study from US 41 to Airport Road, Charlotte County, FL, FDOT District 1, Roadway Engineer. George was responsible for preliminary design, cost analysis and plans production. The scope of this PD&E study was to evaluate pedestrian and bicyclist accommodations on a shared-use path along approximately 3.5 miles of Taylor Road in Punta Gorda (Charlotte County). The project was divided into two planned design segments—Segment 1, from Jones Loop Road to Airport Road, and Segment 2, from US 41 to Jones Loop Road.

SR 429 (Wekiva Parkway) Segment 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5, Roadway Engineer. George was responsible for intersection details and design, pavement marking design, and utility adjustment plans production. This project required 3D modeling deliverables. This project designed and constructed 5.5 miles of a limited-access toll road, largely along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included a non-tolled service road for local travel, three new bridges over the Wekiva River, and several pairs of wildlife bridges to allow animals to pass safely between the Seminole State Forest and Rock Springs Run State Reserve. A multi-use trail was included along this section. Other services included bridge design, connector roads between remaining sections of CR 46A and SR 46, roadway widening, medians, turn lanes, drainage, lighting, signing and pavement marking, utilities, and other roadway features.

St Johns River to Sea Loop Trail-Palmetto Avenue Ridge Boulevard to Beville Road, Volusia County, FL, FDOT District 5, Roadway Engineer. George was responsible for 3D modeling design and plans production. This segment of the St. Johns River to Sea Loop Trail consists of a 10-foot to 12-foot-wide trail. The trail will run along the east side of S. Palmetto Avenue from Ridge Boulevard to Beville Road. The trail will then run along the north side of Beville Road for approximately 110 feet, connecting to the existing trail on the west side of S. Palmetto Avenue which leads into Daytona Beach. Design includes roadway, drainage, lighting analysis, signing and pavement marking, 3D modeling, utility coordination, survey, SUE services, right-of-way mapping, geotechnical studies, minor structures, cultural resources, environmental survey, and permit exemption.

SR 865 (San Carlos Boulevard) from North of Crescent Street to North of Hurricane Pass Bridge, Lee County, FL, FDOT District 1, Roadway Engineer. George was responsible for intersection design, earth work and utility adjustment analysis. SR 865 (San Carlos Boulevard) is the main access to Fort Myers Beach. The project involved reconfiguration of existing travel lanes to provide two inbound lanes to the beach and providing pedestrian-bicyclist connectivity on both sides of SR 865. The scope included widening of the Matanzas Pass Bridge to accommodate a new shared use path and reconfiguration of lanes on the Hurricane Bay Bridge to accommodate a new barrier-separated pedestrian path. Approximately 0.5 miles of roadway was milled and resurfaced to accommodate new bicycle lanes. The temporary traffic control plan was developed to maximize access during peak beach season. The scope included new signals at Fifth Street and Main Street. Existing signals at Prescott Street/Buttonwood Drive will be converted from alternating signal function to conventional signal function. The scope included extension of ATMS along SR 865 for approximately three miles. Design services included new lighting at signalized intersections and landscape. Extensive public involvement was coordinated with Town of Fort Myers Beach, Lee County, and LeeTran. Design of this project was conducted concurrent with the PD&E study.



George
Knox, PE

REGISTRATIONS:

Professional Engineer: Florida
#PE82283, 2017

EDUCATION:

Bachelor of Science, Civil
Engineering - University of
Central Florida, 2010

CERTIFICATIONS:

Advanced Temporary Traffic
Control

AFFILIATIONS:

Florida Engineering Society,
FES #9020180

Tau Beta Pi The Engineering
Honor Society

YEARS OF EXPERIENCE

TOTAL: 10

WITH WGI: 9

SR 580/North Dale Mabry Highway at CR 584/West Waters Avenue-Pedestrian/Bike Intersection Safety, Hillsborough County, FL, FDOT District 7, Engineer of Record. George was responsible for roadway design, maintenance of traffic for vehicles and pedestrians, signing and pavement marking design, as well as plans production. This safety improvement project was comprised of pedestrian refuge islands to make the pedestrian crossing distances shorter and upgrading the traffic signals to address pedestrian facilities at the existing signalized intersection of SR 580 (Dale Mabry Highway) and CR 584 (West Waters Avenue). This intersection has one of the highest pedestrian crash incidents in the County. Pedestrian refuge islands were provided between the right-turn and through movements with modifications to turn lanes, and upgrades to existing diagonal span-wire signal with signal poles. The refuge islands were designed to accommodate wide pedestrian throughways and have high-emphasis on crosswalks and pedestrian warning signage for free-flow movements that involve a right-turn lane to an added lane on the side street. Crosswalks were designated with appropriate warning signs in the islands and shoulder. The opposing left turns were designed to run concurrently. Bicycle keyholes were added adjacent to the islands to allow for future addition of marked bicycle facilities to the north. Work included pedestrian accommodations, with minimum impacts to vehicular traffic patterns, signal reconstruction, signing and pavement marking, signal poles and mast arms, controller assemblies/hardware, and re-calculating clearance timing intervals. Installation of a flashing yellow arrow was used for protected/permissive movements. A subsurface utility exploration was included to identify utility facilities and secure agreements, utility work schedules, and plans from UAO, ensuring no conflict between utility facilities and the project.

Crystal Lake Avenue Sidewalk Project, Seminole County, FL, City of Lake Mary, Roadway Engineer. George was responsible for the design and plans production, which included pavement design, back of sidewalk profile, earthwork, signing and pavement markings, and engineer's estimate. He also was responsible for coordination with Seminole County for the design of the signalized intersection. The contract consisted of surveying, engineering, and associated permits for approximately 620-feet of sidewalk and right turn lane at Crystal Lake Avenue and Country Club Road intersection in the City of Lake Mary, Florida. The sidewalk was constructed between N. Country Club Road and 2nd Street along the north side of E. Crystal Lake Avenue.

North Country Club Road at Wilbur Avenue Turn Lane, Seminole County, FL, City of Lake Mary, Design Engineer. George was responsible for the design and plans production, which included pavement design, back of sidewalk profile, earthwork, signing and pavement markings, and engineer's estimate. He also was responsible for coordination with Seminole County for the design of the signalized intersection. The project work included providing two left turn lanes along North Country Club Road (northbound and southbound) to east and westbound Wilbur Avenue. Roadway widening along North Country Club Road was required for approximately 600-feet both north and south of Wilbur Avenue. The left turn lanes along North Country Club Road required reconstruction of the four-radius curb returns of the intersection. Project work also included drainage design modifications, environmental permitting, and utility coordination. Coordination was required between the design team, City of Lake Mary, and Seminole County Engineering as a result of the planned signalization of the intersection as Seminole County was preparing signal plans for the intersection.

SR 429 (Western Beltway) Existing Roadway Conditions Assessment Report (ERCAR), MP 0.0 to MP 5.3, Osceola County, FL, Florida's Turnpike Enterprise, Roadway Engineer. George was responsible for the analysis of existing guardrail and concrete barriers. He was also responsible for providing recommendations for any deficiencies encountered in the field or in the analysis. This project included preparation of an ERCAR for the Florida's Turnpike Enterprise's SR 429 Western Beltway, from MP 0.0 to MP 5.3 in Osceola County. The scope of work consisted of a detailed analysis of existing roadway conditions with respect to design standards and safety of the roadway, bridges, drainage, signing, and other miscellaneous project components. The result of the assessment was summarized and recommendations for roadway and safety improvements were made based on practical design and feasibility to construct.

Orlando South Interchange Modification at MP 254, Orange County, FL, Florida's Turnpike Enterprise, Roadway Engineer. George performed earthwork and was involved in plans production of signing and pavement markings, utility adjustments, and temporary traffic control plans. This project consisted of modifications to the Orlando South interchange of Florida's Turnpike whereby the existing turnpike ramp to northbound US 441/US 17-92/Orange Blossom Trail entrance ramp was widened from a single lane to a triple lane movement forcing the creation of a new at-grade intersection. This new intersection on Orange Blossom Trail was signalized to control the ramp and northbound US 441 lane movements. Ramp widening impacted two overhead sign trusses along the ramp prior to the widening. Drainage modifications and upgrades to the signing and pavement markings were also required.



DRAINAGE AND PERMITTING

Murray has more than three decades of civil-transportation engineering experience that includes studies, design, and production. Murray understands the different types of project delivery methods, thanks to his experience producing, designing and serving as an engineer of record on many design-bid-build and design-build projects. His technical expertise includes designing and implementing innovative, practical, and cost-effective solutions in the areas of roadway, drainage, lighting, post-design services, and permitting. He is proficient in FDOT and American Association of State Highway Transportation Officials (AASHTO) roadway design standards, hydrologic and hydraulic analysis, floodplain and culvert analysis, and environmental permitting.



**Murray
Santoro, PE**

RELEVANT EXPERIENCE

Taylor Road Shared Use Path PD&E Study from US 41 to Airport Road, Charlotte County, FL, FDOT District 1, Drainage Engineer of Record. Murray was responsible for the complete drainage design and bridge hydraulic analysis. The scope of this PD&E study was to evaluate pedestrian and bicyclist accommodations on a shared use path along approximately 3.5 miles of Taylor Road in Punta Gorda (Charlotte County). The project was divided into two planned design segments—Segment 1, from Jones Loop Road to Airport Road, and Segment 2, from US 41 to Jones Loop Road.

SR 429 (Wekiva Parkway) Segment 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5, Phase Manager. Murray served as phase manager for this project that designed and constructed 5.5 miles of a limited-access toll road, largely along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included a non-tolled service road for local travel, three new bridges over the Wekiva River, and several pairs of wildlife bridges to allow animals to pass safely between the Seminole State Forest and Rock Springs Run State Reserve. Wekiva Trail Segment 3 was designed and constructed as part of this project. Other services included bridge design, connector roads between remaining sections of CR 46A and SR 46, roadway widening, medians, turn lanes, drainage, lighting, signing and pavement marking, utilities, environmental permitting and gopher tortoise relocations.

East Selmon Expressway PD&E, Hillsborough County, FL, Tampa-Hillsborough Expressway Authority, Drainage Engineer of Record. Murray was responsible for the complete drainage analysis and final drainage recommendations. This Project Development and Environment (PD&E) Study evaluates the needs, costs, and effects of constructing operational improvements which will increase traffic capacity and safety on the East Selmon Expressway from Meridian Avenue to I-75. The potential future capacity improvements include evaluating an additional lane to the Reversible Express Lane (REL) from Meridian Avenue to I-75, additional local lanes of the expressway from the I-4 connector to I-75, and interchange, ramp, and connection capacity and operational improvements at the Brorein Street, Kennedy Boulevard, I-4 Connector, US 301, and I-75. An ERP permit will be required through the Southwest Florida Water Management District (SWFWMD).

Districtwide Drainage Maintenance Consultant Services, Various Florida Counties, FL, FDOT District 5, Project Manager. Murray was responsible for managing the task work orders (TWO) and serves as the lead drainage engineer for a TWO team. WGI provides FDOT District 5 with miscellaneous drainage engineering services including hydraulic design and studies for highway drainage systems; design of water management systems; obtaining ERP permits; performing hydraulic studies on existing drainage problems and making recommendations; along with subconsultant coordination for boundary and topographic surveys, geotechnical investigation and analyses, and inspection services of underground hydraulic conveyances. Other tasks include preparation of plans and contract documents for the rehabilitation and repair of existing storm drainage structures and facilities, as well as assisting District 5 with reviewing the drainage connection permits.

Clay County Owner's Representative Project 2: CR 209 from CR 315B to US 17, Clay County, FL, Clay County Board of County Commissioners, Drainage Engineer of Record. A part of the Clay County Owner's Representative program for the 2020 roadway improvement bond program, this project involved widening CR 209 from CR 315B to US 17 from two to four lanes. As the owner's representative, WGI is responsible for preparing/managing a master program plan, budget, and schedule. WGI will provide management, planning, engineering design, permitting, right-of-way acquisition, and construction engineering inspection (CEI)

REGISTRATIONS:

Professional Engineer: Florida
#PE66065, 2007

Professional Engineer: Georgia
#PE031293, 2006

Professional Engineer:
Michigan #6201068060, 2018

Professional Engineer: South
Carolina #29343, 2011

EDUCATION:

Bachelor of Science, Civil
Engineering - University of
Central Florida, 2003

YEARS OF EXPERIENCE

TOTAL: 31

WITH WGI: 1

services. This project includes a CSX railroad crossing, several water and force mains (requiring coordination with the City of Green Cove Springs), and right-of-way acquisition that will potentially impact businesses in the corridor, including the First Haitian Baptist Church and Edgewater Landing subdivision. The project will be delivered via the construction manager at risk (CMAR) model. WGI's role is to develop the RFP/RFQ packages and support the County in the selection of the design consultants and contractors and collaborate with the County to develop planning, engineering design, and permitting services needed to agree upon a guaranteed maximum price (GMP) as provided by the contractor. WGI will manage the projects through the construction phase. Project elements include GIS, survey, SUE, right-of-way, wetland delineation, and other environmental services.

Clay County Owner's Representative Project 6A: First Coast Connector (FCC) - Existing CR 315 from US 17 to CR 315A, Clay County, FL, Clay County Board of County Commissioners, Drainage Engineer of Record. This project is part of the Clay County Owner's Representative program for the 2020 roadway improvement bond program. The project will widen from two to four lanes, an existing section of CR 315/FCC, from US 17 to CR 315A. This project includes a CSX railroad crossing, right-of-way impacts to businesses, and coordination with the City of Green Cove Springs for a water main and force main. As the owner's representative, WGI is responsible for preparing/managing a master program plan, budget, and schedule. WGI will provide management, planning, engineering design, permitting, right-of-way acquisition and CEI services. The project will be delivered via the CMAR model. WGI's role is to develop the RFP/RFQ packages and support the County in the selection of the design consultants and contractors and collaborate with the County to develop planning, engineering design, and permitting services needed to agree upon a GMP as provided by the contractor. WGI will manage the projects through the construction phase. Project elements include coordination with CSX and the City of Green Cove Springs, utilities, survey, right-of-way, SUE, GIS, wetland delineation, and other environmental services.

SR 7/US 441 Transit Corridor Improvements, Broward County, FL, FDOT District 4, Drainage Engineer of Record. Murray was responsible for the complete drainage design and permitting. This project consisted of roadway widening and sidewalk construction aimed at improving pedestrian and bicyclist continuity along Prospect Road from SR 7 to SR 870/Commercial Blvd. and along Copans Road from SR 7 to Lyons Road in Broward County. This was an off-system project aimed at improving access to transit facilities on SR 7 as recommended in the SR 7 Multimodal Improvements Corridor Study completed by the Broward Metropolitan Planning Organization. The improvements included roadway widening along Prospect Road to provide for buffered bicycle lanes and the construction of a raised separated bicycle facility within the swale along Copans Road. Services for this project included roadway widening, drainage engineering, signalization, landscape architecture, miscellaneous structures, lighting, utility coordination, environmental permitting, surveying, subsurface utility exploration, geotechnical exploration, and public involvement.

SR 84 at Weston Road Intersection Improvements, Broward County, FL, FDOT District 4, Drainage Engineer of Record. Murray was responsible for the complete drainage design and permitting. As part of a districtwide contract, this task consisted of operational improvements at the intersection of Weston Road and SR-84 aimed at reducing peak-hour queues. The scope included the widening of westbound SR 84 to extend the existing left-turn queue length, the addition of an additional westbound SR 84 to southbound Weston Road left turn-lane, and an additional southbound lane along Weston Road below I-75. Services for this project included roadway widening, drainage engineering, signalization, lighting, landscape architecture, miscellaneous structures, utility coordination, environmental permitting, surveying, subsurface utility exploration, geotechnical exploration, and public involvement.

NW 29th Street Complete Streets, Broward County, FL, FDOT District 4, Drainage QC Reviewer. Murray was responsible for QC reviews for Drainage. Under WGI's Districtwide Minor Design contract with FDOT District 4, this task work order included engineering services for the widening of NW 29th Street from SR-845/Powerline Road to Andrews Avenue to accommodate bike lanes within the project limits. Additional improvements included construction of missing sidewalk segments, signing and pavement marking, pedestrian signal upgrades and localized drainage improvements. All improvements were closely coordinated with the City of Wilton Manors, including early public engagement with all local stakeholders to ensure public support of the project.

Drainage Design of Four Flooding Locations, Miami-Dade County, FL, City of Miami, Drainage QC Reviewer. Murray was responsible for QC reviews for Drainage. As part of the continuing services contract for Civil Engineering services for roadway projects, the City of Miami under the Miami Forever Bond, addressed severe flooding issues at four locations within the City: 1603 NW South River Drive, 2928 SW 2nd Street, 200 SW 30th Avenue, and 1631 NW 13th Court. The City of Miami contracted WGI to prepare construction documents and associated drainage calculations by designing a new storm sewer system with the installation of new 24-inch french drain systems, cross pipes, manholes, inlets, curb and gutter, and repairing broken sidewalks, if necessary. This design alleviated street flooding as well as flooding in the public right-of-way. Services included roadway design, drainage design, signing and pavement markings, permitting, survey, SUE, geotechnical, and post-design services.



UTILITY ASSESSMENT

Chris' responsibilities include facilitation of resolution of utility/design conflicts between utility owners for facilities located in roadway project limits and the roadway designers and engineers. Chris holds meetings at schedule milestones with all involved parties, including utility owners, designers, and project owners, to discuss potential impacts to existing utility facilities and constructability of the project. Coordination and dissemination of the SUE information is vital in determining conflicts with the proposed roadway design and Chris has a thorough understanding of the latest statutes and regulations, integral to accomplishing these tasks. Chris was recently honored with the 2020 FUCC (Florida Utility Coordination Committee) John J. Farkas Liaison Award for his outstanding contribution and dedication to the utility coordination industry and for consistently exemplifying the FUCC principals.

RELEVANT EXPERIENCE

Orlando South Ultimate Interchange PD&E, Orange County, FL, Florida's Turnpike Enterprise, Utility Coordination Manager. Chris served as the utility coordination manager. This project was a PD&E Study to evaluate alternative improvements to optimize the Turnpike Mainline/SR 528 interchange operations. Build alternatives included improved ramp directional service within the interchange, express lane direct connections between Turnpike Mainline and Beachline Expressway, improvements to the crossroads and other local street connections, consideration of new or revised interchange access points to existing or future connecting highway(s), and the necessary improvements along Turnpike Mainline to include structures spanning the Turnpike Mainline to accommodate a future 10-lane expansion that assumes buffer-separated express lanes.

Colonial Parkway (SR 50) from Woodbury Road to SR 520, Orange County, FL, Florida's Turnpike Enterprise, Utility Coordination Manager. Chris served as the utility coordination manager. As a subconsultant to CH2M Hill, WGI assisted with this PD&E study for widening of Colonial Parkway (SR 50/SR 504). Located in Orange County, this study evaluated alternative improvements for widening of a seven-mile segment of SR 50 between Woodbury Road and SR 520, along with the inclusion of limited access general toll lanes within the corridor known as Colonial Parkway. SR 50 (Colonial Drive) is an east-west principal arterial facility. The proposed facility would extend from SR 408 at its current eastern terminus, to SR 520 along the SR 50 corridor. WGI provided added capacity and higher speeds on this tolled east-west corridor to relieve existing and future congestion along existing roadways. The project corridor includes a crossing of the environmentally sensitive Econlockhatchee River. WGI provided survey, utility locates, and landscape architecture services for the study.

SJR2C Loop Trail - Palmetto Avenue Ridge Boulevard to Beville Road: Volusia County, Volusia County, FL, FDOT District 5, Utility Coordination Manager. Chris served as the utility coordination manager. This segment of the St. Johns River to Sea Loop Trail consists of a 10-foot to 12-foot-wide trail. The trail will run along the east side of S. Palmetto Avenue from Ridge Boulevard to Beville Road. The trail will then run along the north side of Beville Road for approximately 110 feet, connecting to the existing trail on the west side of S. Palmetto Avenue which leads into Daytona Beach. Design includes roadway, drainage, lighting analysis, signing and pavement marking, 3D modeling, utility coordination, survey, SUE services, right-of-way mapping, geotechnical studies, minor structures, cultural resources, environmental survey, and permit exemption.

Schofield Road from US 27 to Lake-Orange County Line, Lake County, FL, CEMEX, Utility Coordination Manager. Chris served as the utility coordination manager Project included reconstruction of Schofield Road from an existing dirt road to a two-lane rural collector roadway serving the primary access route for the CEMEX Four Corners sand mine. The total project length is five miles, beginning at US 27 and ending at the Lake-Orange County line. In coordination with Lake County, elements for a future four-lane divided typical section were incorporated into the design. At the county line, the design included an interim connection to the existing roadway and accommodations for the ultimate re-alignment of Schofield Road into Orange County. Stormwater management was permitted through SJRWMD. Design required extensive coordination with Water Conserv. II, a partnership between the City of Orlando



Christopher Stermer

EDUCATION:

Associate of Arts, - University of Maryland, 1996

AFFILIATIONS:

United States Navy Veteran
American Society of Highway Engineers,
Florida Utilities Coordinating Committee, Vice Chair & Design Build Sub-Committee Chair

AWARDS:

2020 FUCC John J. Farkas Liaison Award

YEARS OF EXPERIENCE

TOTAL: 22

WITH WGI: 6

and Orange County, who own a 30-inch reclaimed water main used for agricultural irrigation. The water main runs along most of the project limits.

SR 739 (Fowler Street) at Thompson Street Signal Improvement, Lee County, FL, FDOT District 1, Utility Coordination Manager. Chris served as the utility coordination manager. As part of FDOT District 1's Design-Build Push-Button contract, this task work order focused on safety improvements at the intersection of SR 739 and Thompson Street by replacing the existing traffic signals with new mast arms and updating pedestrian facilities. Additional elements of work included milling and resurfacing the intersection within the limits of the curb returns, installation of roadway lighting, signing and pavement marking, new pedestrian curb ramps, and a new controller assembly.

District 1 Continuing Services Contract (CSC) Utility Coordination Support - C9N39, Polk County, FL, FDOT District 1, Utility Coordination Manager. Chris serves as the utility coordination manager. WGI will provide design and construction related utility coordination services on a continuing service basis directly to the District One District Utility Office, at the direction of the District Utility Administrator. Services shall be provided on premises, on a Task Work Order basis, at the direction of the District Utility Administrator. Services may include the overall coordination of the proposed FDOT projects with the existing and planned utility facilities, to avoid or minimize unnecessary utility conflicts. Other services included processing of utility work schedules, utility agreements, subordinations, utility estimate summaries, and any related work as requested by the District Utility Administrator.

I-75 Southbound Improvements from South of Selmon Expressway to North of SR 60, Hillsborough County, FL, FDOT District 7, Project Manager. Chris also served as the utility coordination manager. The objective of this project was to create a new exit ramp to the Selmon Expressway north of SR 60 consistent with the FHWA-approved Interchange Modification Report. WGI's design included a new two-lane collector-distributor (CD) road combining the new exit ramp with the existing westbound SR 60 to southbound I-75 loop ramp; realignment of eastbound SR 60 to southbound I-75 ramp to connect to the southbound CD road creating a new three-lane CD road; removal of existing southbound I-75 to Selmon Expressway ramp; and widened bridge number 100494. This realignment allowed for a greater weaving distance between SR 60 and the exit ramp to the Selmon Expressway. WGI services included utility coordination, environmental permits, SUE, bidability and constructability reviews.

SR 52 Pasco County on Premises District 7, Pasco County, FL, FDOT District 7, Project Manager and Utility Coordination. Chris provided in-house support to the District Utility Office, reporting directly to the District Utility Administrator. Chris provided the services necessary for the successful utility certification of the SR 52 realignment project, and any other activities as assigned by the Department District Utility Administrator. This project involved the realignment of SR 52 in Pasco County. Services provided included necessary meetings with all the utility agencies and owners within the corridor, for the proper coordination of their existing utility facilities with proposed construction. This includes the statutory notifications to all the utility agency owners, the identification of utility impacts and design mitigation efforts to avoid or minimize disruption of the existing utility services, the coordination and scheduling of the utility locating effort, as needed to properly map the existing facilities.

SR 54 Utility Coordination from East of Old Millpond Drive to East of Little Road, Pasco County, FL, FDOT District 7, Project Manager. Chris also served as the utility coordination manager. Through WGI's Districtwide Utility Coordination/SUE contract a Task Work Order was issued to provide utility coordination and SUE services on an in-house design project where the Department proposes to mill and resurface throughout the project limits. The project includes replacing the existing strain poles at Old CR 54 with mast arms and replacing the diagonal strain pole configuration at Little Road with a new box span configuration as well as providing lighting throughout the corridor.

I-4 Westbound from West of Orient Road to West of I-75 (C9L06), Hillsborough County, FL, FDOT District 7, Utility Coordination Manager. Chris coordinated with 13 utilities including FGT on this multi-lane interstate reconstruction project. This project included operational improvements for westbound I-4 from Orient Road to the I-75 interchange in Hillsborough County. I-4 is a major east/west urban divided interstate freeway consisting of six lanes within the limited-access right-of-way. I-75 is a major north/south urban divided interstate freeway consisting of six lanes within the limited-access right-of-way. Improvements included the addition of new ramps and new construction/widening of a CD road to more efficiently connect the I-75 interchange/westbound I-4 traffic flowing to westbound I-4 and SR 600/Hillsborough Avenue. The widening included the westbound I-4 bridge over Orient Road. Three new bridges consisted of a new two-lane ramp over the Tampa Bypass Canal, as well as two new one-lane bridges at the east end extending from the northbound and southbound I-75 ramps and then merging into a two-lane bridge approaching the new CD road to the west.



SURVEY AND MAPPING

Al is a senior project manager specializing in transportation, geodetic control, and land acquisition surveying services. He draws on his field survey and office production experience to direct field crews and office technicians in producing high quality deliverables under tight schedules. He is proficient in AutoCAD and Microstation as a production drafter and survey project technician, and is experienced in Trimble Access, and EFB data collection/processing software, as well as MicroStation V8i/SS4, TopoDOT, GeoPAK, and Autodesk Civil 3D software. Al is knowledgeable in requirements for various Florida Department of Transportation Districts and municipalities.



**Allen (Al)
Quickel, PSM**

RELEVANT EXPERIENCE

SR 429 (Wekiva Parkway) Segment 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5, Phase Manager. Al served as phase manager. This project designed and constructed 5.5 miles of a limited-access toll road, largely along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included a non-tolled service road for local travel, three new bridges over the Wekiva River, and several pairs of wildlife bridges to allow animals to pass safely between the Seminole State Forest and Rock Springs Run State Reserve. A **multi-use trail** was included along this section. Other services included bridge design, connector roads between remaining sections of CR 46A and SR 46, roadway widening, medians, turn lanes, drainage, lighting, signing and pavement marking, utilities, and other roadway features.

St Johns River to Sea Loop Trail-Palmetto Avenue Ridge Boulevard to Beville Road, Volusia County, FL, FDOT District 5, Project Surveyor. Al provided specific purpose survey mapping for the project, preparing a survey of the existing alignment and right-of-way lines to allow design to fall in existing right-of-way without the need for additional property acquisition. This segment of the St. Johns River to Sea Loop Trail consists of a 10-foot to 12-foot-wide trail, running along the east side of S. Palmetto Avenue from Ridge Boulevard to Beville Road. The trail will then run along the north side of Beville Road, connecting to the existing trail on the west side of S. Palmetto Avenue which leads into Daytona Beach. Design includes roadway, drainage, lighting analysis, signing and pavement marking, 3D modeling, utility coordination, survey, right-of-way mapping, geotechnical studies, minor structures, cultural resources, environmental survey, and permit exemption. SUE services included designating to mark the horizontal position of underground utilities and test holes to investigate potential utility conflicts and foundation clearing.

SR 865 (San Carlos Boulevard) from North of Crescent Street to North of Hurricane Pass Bridge, Lee County, FL, FDOT District 1, Project Surveyor. Al served as project surveyor. SR 865 (San Carlos Boulevard) is the main access to Fort Myers Beach. The project involved reconfiguration of existing travel lanes to provide two inbound lanes to the beach and providing pedestrian-bicyclist connectivity on both sides of SR 865. The scope included widening of the Matanzas Pass Bridge to accommodate a new shared use path and reconfiguration of lanes on the Hurricane Bay Bridge to accommodate a new barrier-separated pedestrian path. Approximately 0.5 miles of roadway was milled and resurfaced to accommodate new bicycle lanes. The temporary traffic control plan was developed to maximize access during peak beach season. The scope included new signals at Fifth Street and Main Street. Existing signals at Prescott Street/Buttwood Drive will be converted from alternating signal function to conventional signal function. The scope included extension of ATMS along SR 865 for approximately three miles. Design services included new lighting at signalized intersections and landscape. Extensive public involvement was coordinated with Town of Fort Myers Beach, Lee County, and LeeTran. Design of this project was conducted concurrent with the PD&E study.

Sunlake Boulevard from Ridge Road to SR 52 Roadway Development, Pasco County, FL, Metro Development Group, Project Surveyor. Al served as project surveyor. The Angeline Development is located in Pasco County south of SR 52 and east of the Suncoast Parkway. Sunlake Boulevard is the main road through the Angeline development from north to south. The project is in a CDD and is part of the Connected City program. Phase 2A of the development includes 590-single family units and associated amenities on approximately 430 acres. Water, reclaimed water, and wastewater main lines in the Sunlake Boulevard right-of-way provide services for the overall development and access to Phase 2A from Sunlake Boulevard. This project will design and permit approximately four miles of the road from SR 52 to the future Collector Road south of the future Ridge Road alignment. WGI performed SUE designating to mark the horizontal position of underground utilities and test holes to investigate potential utility conflicts.

REGISTRATIONS:

Professional Surveyor/Mapper:
Florida #LS6481, 2004

EDUCATION:

Bachelor of Science, Surveying
Engineering - New Mexico
State University, 1999

CERTIFICATIONS:

FAA Remote Pilot Small
Unmanned Aircraft System

AFFILIATIONS:

Florida Surveying and Mapping
Society, District Director

YEARS OF EXPERIENCE

TOTAL: 22
WITH WGI: 2

IKE Smart City Kiosk - Tampa, Hillsborough County, FL, IKE Smart City, LLC., Project Surveyor. Al served as project surveyor. IKE Smart City is installing approximately 100 interactive kiosks in the Tampa and Miami areas. WGI was selected to provide professional survey, civil, and electrical engineering services for 13 of the Tampa-area locations, to aid in the preparation of construction documents, permitting, bidding, and construction. The kiosk locations are in and around Tampa, including the Hilton Tampa Downtown, Channel District, Armature Works, Lykes Gaslight Park, Curtis Hixon Park, MacDill Park, Poe Plaza, Sail Pavilion, and the Tampa Downtown Partnership office. Project fees were \$ 149.5K. Survey services included providing a topographic survey of the project limits, including will include visible and attainable improvements, in accordance with Chapter 472.027 of the Florida Statutes. It also included right-of-way determination and coordination with UAOs.

Orlando South Ultimate Interchange PD&E, Orange County, FL, Florida's Turnpike Enterprise, Project Surveyor. Al served as project surveyor. This **PD&E Study** evaluated alternative improvements to optimize the Turnpike Mainline/SR 528 interchange operations. Build alternatives included improved ramp directional service within the interchange, express lane direct connections between Turnpike Mainline and Beachline Expressway, improvements to the crossroads and other local street connections, consideration of new or revised interchange access points to existing or future connecting highways, and the necessary improvements along Turnpike Mainline to include structures spanning the Turnpike Mainline to accommodate a future 10-lane expansion that assumes buffer-separated express lanes.

Turnpike Mainline at Taft Vineland Road New Interchange, Orange County, FL, Project Surveyor. Al served as project surveyor. This interchange on Turnpike Mainline at Taft Vineland Road provides access to/from the south on Florida's Turnpike. The Turnpike Mainline northbound exit ramp intersects Taft Vineland Road at Bachman Road. Widening of this intersection includes an additional turn lane onto Bachman Road. Additional ramps to/from the north are constructed as part of the Orlando South Ultimate Interchange (438547-2) project and includes toll gantries. The project also includes partial reconstruction of Taft Vineland Road approaching the overpass at Florida's Turnpike, to tie into the proposed improvements by Orange County. This interchange improves access to the industrial areas along Taft Vineland Road, reducing traffic on Orange Blossom Trail (US 441). This interchange enhances connectivity, provides long-term mobility options and addresses future traffic needs, as well as enhances access during hurricane evacuations and for emergency responders.

US 17 at Bates Road Signalization Improvements, Polk County, FL, Project Surveyor. Al served as project surveyor. As part of the E1R18 Design-Build Pushbutton contract, this task work order provided safety improvements at the intersection of US 17 and Bates Road. Elements of work included new mast arm signalization; signing and pavement marking; temporary traffic control; geotechnical investigations; SUE designating to mark the horizontal position of underground utilities and test holes to investigate potential utility conflicts and foundation clearing; and utility coordination. Additionally, structural design accounted for future mast arm loading when this intersection is converted from a T-intersection to four-way.

SR 544 at Alta Vista School Zone Crossing Modifications, Polk County, FL., Project Surveyor. Al served as project surveyor. This task work order addressed school zone safety improvements at SR 544 and Alta Vista in Polk County. Elements of work included upgraded school zone signing and marking to accommodate a new pedestrian crossing; structural design for a new strain pole assembly to hold an overhead school zone sign; driveway and curb ramp reconstruction; analysis of additional loading on an existing strain pole sign assembly; geotechnical investigation; SUE designating to mark the horizontal position of underground utilities and test holes to investigate potential utility conflicts and foundation clearing; and utility coordination.

Osceola Regional Medical Center Parking & Site Make Ready Survey Services, Osceola County, FL, Osceola Regional Medical Center Group, Inc., Project Manager. Al served as project manager and was responsible for delivery of the project. WGI provided survey and SUE services for the Osceola Regional Medical Center site in Kissimmee, Florida. Services included topographical, and boundary survey, as well as Quality Level B utility investigation using electromagnetic and ground penetrating radar to sweep for utilities within the site. Detailed field notes and digital photos, as well as a sketch depicting utilities designated, were also provided.

Montague Street FM Replacement Survey and SUE Services, Hillsborough County, FL, Hillsborough County Board of County Commissioners, Project Surveyor. Al served as project surveyor. WGI provided topographic and right-of-way surveying, as well as SUE services to include Quality Level B line designating and Quality Level A test hole locations, for approximately 1.5-miles of Montague Street, from Alonzo High School to Waters Avenue. Terrestrial mobile LiDAR was used to capture the majority of topography and planimetric features, with support from conventional surveying. Centerline, right-of-way, and reference control points were surveyed and used to reestablish centerline alignment, right-of-way, and adjacent easement lines. WGI set missing reference marks. All utility data from SUE collection was integrated into final survey base map.



SURVEY AND MAPPING

Eric is the area manager for geospatial services in Central Florida. He is an experienced leader and manager with more than 20 years of experience in engineering consulting and five years in the non-profit sector. Eric is well-versed in both static GPS surveying for control networks and RTK GPS for surveying and GIS data capture and development. He has led surveys for countless projects to support transportation corridor design, area-wide sanitary sewer, water and stormwater infrastructure projects, natural gas well pad and midstream pipeline projects, as well as dozens of municipal and county infrastructure GIS projects.

RELEVANT EXPERIENCE

US 19 (SR 55) from 44th Avenue North to Park Boulevard, Pinellas County, FL, FDOT District 7, Survey Manager. Eric served as a survey manager. This 1.965-mile urban principal arterial segment of US 19 is within the urban buffer limits of the City of Pinellas Park and the LCRA. It is a six-lane urban divided highway with 10- to 12-foot travel lanes, 10- to 11-foot left-turn lanes, raised curbed median, closed drainage system, and sidewalks bordered by dense overhead and underground utilities. This RRR design preserved and extended the life of the existing pavement through milling and resurfacing, brought ADA features into conformance with current standards, brought multimodal issues (including signal and lighting upgrades) into compliance with current standards, and performed general safety modification work that improved the safety of all roadway users. This project improved US 19 operations by increasing the storage capacity of left-turn lanes into several side streets. WGI developed a cost-effective pavement design with lane-specific milling depths. Key design groups involved in the rehabilitation of this section of US 19 included roadway, drainage, utilities, structures, survey, SUE, lighting, signalization, and signing and pavement marking. SUE services included designating to mark the horizontal position of underground utilities and test holes to investigate potential utility conflicts and foundation clearing.

St Johns River to Sea Loop Trail-Palmetto Avenue Ridge Boulevard to Beville Road, Volusia County, FL, FDOT District 5, Survey Manager. Eric served as a survey manager. This segment of the St. Johns River to Sea Loop Trail consists of a **10-foot to 12-foot-wide trail**, running along the east side of S. Palmetto Avenue from Ridge Boulevard to Beville Road. The trail will then run along the north side of Beville Road, connecting to the existing trail on the west side of S. Palmetto Avenue which leads into Daytona Beach. Design includes roadway, drainage, lighting analysis, signing and pavement marking, 3D modeling, utility coordination, survey, right-of-way mapping, geotechnical studies, minor structures, cultural resources, environmental survey, and permit exemption. SUE services included designating to mark the horizontal position of underground utilities and test holes to investigate potential utility conflicts and foundation clearing.

Sunlake Boulevard from Ridge Road to SR 52 Roadway Development, Pasco County, FL, Metro Development Group, Survey Manager. Eric served as a survey manager. The Angeline Development is located in Pasco County south of SR 52 and east of the Suncoast Parkway. Sunlake Boulevard is the main road through the Angeline development from north to south. The project is in a CDD and is part of the Connected City program. Phase 2A of the development includes 590-single family units and associated amenities on approximately 430 acres. Water, reclaimed water, and wastewater main lines in the Sunlake Boulevard right-of-way provide services for the overall development and access to Phase 2A from Sunlake Boulevard. This project will design and permit approximately four miles of the road from SR 52 to the future Collector Road south of the future Ridge Road alignment. WGI performed SUE designating to mark the horizontal position of underground utilities and test holes to investigate potential utility conflicts.

Montague Street FM Replacement Survey and SUE Services, Hillsborough County, FL, Hillsborough County Board of County Commissioners, Project Manager. Eric served as a project manager and was responsible for the delivery of the project. WGI provided topographic and right-of-way surveying, as well as SUE services to include Quality Level B line designating and Quality Level A test hole locations, for approximately 1.5-miles of Montague Street, from Alonso High School to Waters Avenue. TML was used to capture the majority of topography and planimetric features, with support from conventional surveying. Centerline, right-of-way, and reference control points were surveyed and used to reestablish centerline alignment, right-of-way, and adjacent easement lines. WGI set missing reference marks.



Eric
Orndorff, PSM

REGISTRATIONS:

Professional Surveyor/Mapper:
Florida #LS7248, 2019

Professional Land Surveyor:
Maryland #21219, 2004

Professional Land Surveyor:
Pennsylvania #SU075125,
2006

EDUCATION:

Master of Science, Civil
Engineering (Surveying and
Mapping) - University of Florida,
2002

Bachelor of Science,
Geography - Penn State
University, 1995

YEARS OF EXPERIENCE

TOTAL: 21

WITH WGI: 1

East Selmon Expressway PD&E, Hillsborough County, FL, Survey Manager. Eric served as a survey manager. This PD&E Study evaluates the needs, costs, and effects of constructing operational improvements which will increase traffic capacity and safety on the East Selmon Expressway from Meridian Avenue to I-75. The potential future capacity improvements include evaluating an additional lane to the Reversible Express Lane (REL) from Meridian Avenue to I-75, additional local lanes of the expressway from the I-4 connector to I-75, and interchange, ramp, and connection capacity and operational improvements at the Brorein Street, Kennedy Boulevard, I-4 Connector, US 301, and I-75. An ERP permit will be required through the SWFWMD.

SR 710 New Alignment from US 441 to the L-63N Interceptor Canal, Okeechobee County, FL, FDOT District 1, Survey Manager. Eric served as a survey manager. This project consisted of the new alignment of SR 710 to a four-lane divided, high-speed urban facility, a project length of approximately 3.8 miles. The intent of the project was to reduce the traffic flow on SR 710 and US 441 by bypassing the City of Okeechobee. Surveying and mapping services included establishment of horizontal and vertical control, aerial target locations, cross sections, digital terrain models, hydrographic surveys, drainage surveys, and location of subsurface utilities. A right-of-way control survey was prepared to facilitate right-of-way mapping for parcels to be acquired along the new alignment, which traverses the L-63 N Interceptor Canal and more than 3.5 miles of grassland and forested terrain.



CONTAMINATION SCREENING

John has diverse experience in environmental consulting, including contamination remediation, wetland mitigation, wildlife surveys, environmental planning, NEPA, and permitting. He has been a project manager on multi-million-dollar environmental projects. John is active in the environmental community; he serves on the Board of Directors of the Florida Association of Environmental Professionals (FAEP).

RELEVANT EXPERIENCE

PD&E for SR 865 (San Carlos Boulevard) from Estero Boulevard to North of Hurricane Bay Bridge, Lee County, FL, FDOT District 1, Environmental Scientist. John led contamination assessment. This road is the main access to Fort Myers Beach. This project involved reconfiguration of travel lanes and widening the Matanzas Pass Bridge. He prepared the Contamination Screening Evaluation Report (CSER) for the PD&E study. He also provided oversight of the Natural Resources Evaluation (NRE) which included assessments of wetlands and protected species.

PD&E and Environmental Impact Statement for Crosstown Parkway Extension, St. Lucie County, City of Port St. Lucie, FL. John was an environmental planner for a major new roadway and bridge (two-mile corridor, 4000-foot-long bridge, construction cost of \$87M) over the North Fork St. Lucie River, an Aquatic Preserve. He prepared the CSER, provided oversight of the field assessment of the wetland and upland communities (approximately 850-acres in a tidal estuary), and assisted with preparing the Draft and Final Environmental Impact Statement.

PD&E and Design for Becker Road/I-95 Interchange, Port St. Lucie, FL, City of Port St. Lucie, Environmental Scientist. John prepared a CSER for this interchange, and provided oversight of the assessment of wetlands, wildlife, and permitting. He also conducted a gopher tortoise survey, prepared the Florida Fish and Wildlife Conservation Commission (FFWCC) permit application, developed the mitigation plan, and led the relocation and permit compliance.

PD&E Technical Reviews for Miami-Dade Expressway, Miami-Dade County, FL, HNTB sub to MDX, Environmental Scientist. John conducted peer reviews of many of the PD&E environmental reports prepared for MDX by various consultants. For several years on a Miami-Dade Expressway (MDX) continuing services contract. This included State Environmental Impact Reports (SEIR), CSER, Endangered Species Biological Assessments (ESBA), Wetlands Evaluation Reports (WER), Noise Reports, Air Quality Technical Memorandums (AQTm), Cultural Resources Assessment Surveys (CRAS), Preliminary Engineering Reports, and Categorical Exclusion backup memoranda.

FDOT District-Wide Permits Consultant Contract, Environmental Scientist. John provides technical oversight of this 5-year \$1.5M contract district-wide with FDOT District 6. His team reviews plan drawings and reports at the various project schedule stages to ensure compliance with environmental permitting requirements under local, state, and federal regulation. This contract requires close coordination with FDOT right-of-way, utilities, drainage, maintenance, environmental, planning, landscape, design, and construction personnel.

Clay County Owner's Representative Services for 2020 Transportation Bond Program, Clay County, FL, Clay County Board of County Commissioners, Environmental Lead. John was the environmental lead for this project. The Clay County Board of County Commissioners passed a \$129M roadway improvement bond program for seven projects and selected WGI to be the Owner's Representative. John prepared the contamination screening documents for seven projects: CR 218 from Cosmos Ave to Pine Tree Lane, CR 209 from CR 315B to Highway 17, CR 209 from Sandridge Road to CR 315B, Sandridge Road from Henley Road to CR 209, CR 220 from Baxley Road to Henley Road, First Coast Connector existing CR 315 from US 17 to CR 315A, and First Coast Connector new road from CR 315 to First Coast Expressway. He also provided technical oversight of wetland and other natural resource assessments and permitting.



**John
Abbott, PG, CEP**

REGISTRATIONS:

Professional Geologist:
Florida #PG2401, 2005

EDUCATION:

Master of Science, Geology -
New Mexico Tech, 1995
Bachelor of Science, Geology -
Virginia Tech, 1992

CERTIFICATIONS:

Certified Environmental
Professional
FDEP Stormwater Management
Inspector
FWC Authorized Gopher
Tortoise Agent
OSHA 30-Hour Construction
Safety and Health
USACE Construction Quality
Management for Contractors

AFFILIATIONS:

South Florida Association of
Environmental Professionals,
Board of Directors

**YEARS OF EXPERIENCE
TOTAL: 25 WITH WGI: 6**

Atlantic Avenue and Lyons Road (Feurring Commercial MUPD), Palm Beach County, FL, JDR Development, Environmental Scientist. John secured approvals from FDEP and developed a soil management plan to allow development of this parcel despite agrichemicals in the soil and arsenic in the groundwater. The innovative soil management plan involved soil reuse from a dry detention basin in the right-of-way of a County road. WGI also prepared a modification to the Declaration of Restrictive Covenant.

NEPA Documentation for I-95 Interchange at Oslo Road, Indian River County, FL, FDOT District 4, Environmental Scientist. John prepared the environmental parts of the Existing Conditions Report, including the sections on contamination, wetlands, water quality, special designations, and wildlife.

Gopher Tortoises at SR 429/SR 46 (Wekiva Parkway) Segment 7A, Orange County, FL, FDOT District 5. Project Manager. John conducted mechanical excavation of over 20 tortoises from over 50 burrows. This roadway widening project required relocation of 245 gopher tortoise burrows. As an FWC Authorized Gopher Tortoise Agent, John captured, marked, transported, and released tortoises. Capture methods included mechanical excavation, bucket traps, and hand excavation

Lakeland Tribal Trust/Wetland Mitigation, Polk County, FL, Seminole Tribe of Florida, Environmental Scientist. WGI provided the Seminole Tribe of Florida Environmental Resource Management Department (ERMD) with construction engineered plans for the Lakeland Tribal Trust Property's Wetland Mitigation Area. The compensatory mitigation area was approximately 50 acres of forested wetlands. Approved components of the permit drawings for the onsite hydrologic wetland enhancement consisted of the installation of a clay core or high-density polyethylene (HDPE) liner with a water control structure between an existing canal and wetland. WGI successfully designed and the hydrologic enhancement which established the new seasonal high-water table. The project included preliminary investigation and verification of existing conditions, supplemental topographic surveying, coordinating geotechnical services for the site, engineering plans and specifications, and bidding assistance.

Wetland Monitoring at Wetland Enhancement Areas 4, 5, & 6, Big Cypress Seminole Indian Reservation, Broward County, FL, Seminole Tribe of Florida, Environmental Scientist. John assisted with field data collection and had a leading role in data analysis and assessing compliance with the permits. WGI conducted wetland monitoring on 4,114 acres of land in the Native Area. This included a science-based vegetation inventory and calculations of species richness and diversity. WGI evaluated the data to assess long-term changes in native vegetation, hydrology, and invasive species.

NE 2nd Avenue/Seacrest Beautification Project Phase III, Palm Beach County, FL, City of Delray Beach, Environmental Scientist. John assisted with NEPA compliance by preparing the Local Agency Program (LAP) documentation which included an Environmental Features Report to address any impacts to natural, physical, and cultural resources. John prepared the Categorical Exclusion documentation. Design services include reducing the travel lanes from 12-feet to 10-feet along Seacrest Boulevard to encourage motorists to drive within the posted speed limit, and providing bike lanes and sidewalks on each side of the roadway.

NEPA Documentation for Matanzas Woods Parkway/I-95 Interchange, Flagler County, FL, Flagler County, Lead Environmental Scientist: John provided planning and conceptual design for a new interchange in Flagler County. John conducted the contamination screening and provided oversight of the biological assessment.

Categorical Exclusion for Big Blue Trace, Palm Beach County, FL, Village of Wellington, Project Manager. John completed the NEPA Categorical Exclusion checklist and Environmental Technical Memorandum. This was a FDOT LAP project for a new paved pathway with associated roadway, signage, drainage, irrigation, and landscape improvements. This included an assessment of natural resources, sociocultural resources, and historical resources. Because there was potential gopher tortoise habitat in the project area, John completed a gopher tortoise survey.

SR 7 (US 441) Widening Design-Build from Fillmore Street to South of Stirling Road, Broward County, FL, Environmental Scientist. John prepared the Contaminated Soil Management Plan to address soil and groundwater contamination during construction. The \$32M design-build project was complicated by the numerous gas stations, dry cleaners, and associated soil and groundwater plumes in the area.

Crestwood Environmental Services, Palm Beach County, FL, Lennar Homes, LLC, Environmental Scientist. John conducted a Phase I and II ESA of this property. This 155-acre parcel formerly contained a wastewater treatment plant and a shooting range with residual soil contamination. John delineated impacted soils in the shooting range berm and coordinated removal of soil. In addition to contamination assessments, WGI delineated wetlands and led the wetland permitting. WGI also conducted a tree inventory and verified the site did not contain historical or archaeological resources or protected species.



TEAM LEADER – COMPLETE STREETS | URBAN AND COMMUNITY PLANNING

Angela is a Director at WGI, leading the firm's Urban + Community Planning Department. She leads a talented team of planners and designers who are dedicated and experienced in shaping the public realm. An active member of her community, and respected professional in the industry, her passions include urban design, complete streets, and multi-modal transportation projects. Leveraging her landscape architecture background, along with her experience in planning, she works with agencies to provide planning and design solutions that create vibrant, safe and livable communities. Her project experience involves master plans, complete street design, site and landscape design for corridor and open space design, and extensive project coordination, including comprehensive plan and zoning code updates.



Angela
Biagi, PLA, LEED
BD+C

RELEVANT EXPERIENCE

City of Palm Beach Gardens - TOD Master Plan, Palm Beach County, FL, City of Palm Beach Gardens, QC Reviewer. Angela provided recommendations for revising density, design, green building, and development standards. WGI was hired to assist City staff with updating the City's Comprehensive Plan and Land Development Regulations to address their recently completed Transit Oriented Development Master Plan. Tasks included evaluating and providing recommendations for adding and revising goals, objectives, and policies in support of the TOD plan. WGI provided recommendations for a green building density bonus program, design, and development standards.

Jefferson Terminal District Parking Use Study, Palm Beach County, FL, City of West Palm Beach, Project Manager. Angela served as the project manager. Under the Transportation Engineering Planning Consultant Continuing services contract, the City of West Palm Beach authorized WGI to complete a parking study for the Jefferson Terminal District and their redevelopment. The redevelopment options have led to a formal visioning process. Stakeholder meetings identified parking as an important consideration as the planning and development process moves forward. The City of West Palm Beach is interested in understanding the parking dynamics of the District, specifically focusing on the relationship between land use and existing parking supply. WGI parking staff has conducted similar studies in cities across the country. The scope of work includes a parking inventory and GIS mapping of current conditions, land use and parking ratio analysis, and a parking capacity analysis.

Due Diligence Research for Various Palm Beach County Properties, Palm Beach County, FL, Capital Investments Real Estate Corp. Planner. WGI was selected to provide due diligence research and representation services for Capital Investments Real Estate Corp. to construct approximately 1,000 residential homes on various parcels ranging in size from approximately one acre up to 25 acres. The proposed properties were scattered throughout all of Palm Beach County and several of the parcels were infill and/or rural development. Angela prepared due diligence research to determine the land use, zoning, existing master/site plan approvals, development regulations, and approval processes for obtaining residential uses on the parcels as identified by the client. WGI also represented the client before the governing municipality to discuss development of the properties with the proposed residential uses.

Alternative Mobility Funding Systems Study, Leon County, FL, City of Tallahassee, Project Manager. Angela provided quality control for the project. WGI evaluated the existing and potential long-term transportation funding options based on financial efficiency and community objectives. The study included extensive stakeholder outreach, the creation of a Public Involvement Plan, and the facilitation of planning charrettes. Additionally, WGI analyzed the comprehensive plan, Florida Statutes, GIS development data, land use, transportation, traffic characteristics, funding mechanisms, existing plans, and projected growth. The study ultimately recommended a Tiered Mobility Fee for the City of Tallahassee and Leon County that fulfills transportation funding demands, accomplishes mobility objectives, and is supported by community stakeholders.

REGISTRATIONS:

Professional Landscape
Architect: Texas #3633, 2021
Professional Landscape
Architect: Florida #LA6666787,
2005

EDUCATION:

Bachelor of Landscape
Architecture, - University of
Illinois, 2001

CERTIFICATIONS:

LEED BD+C

AFFILIATIONS:

American Society of Landscape
Architects
Congress for the New Urbanism

YEARS OF EXPERIENCE

TOTAL: 20
WITH WGI: 7

City of Hardeeville, Comprehensive Plan Update, Jasper County, SC, City of Hardeeville, Planner. Angela was the phase manager for the project. WGI reviewed the City of Hardeeville's Comprehensive Plan and updated four of the nine mandatory elements based on changed projections and assumptions plus new issues. The four elements updated were Community Facilities, Land Use, Transportation, and Priority Investment. The process included extensive community outreach, review of comparable communities' growth management strategies, analyzing updated South Carolina statutes, and evaluating statistics and data related to the City and the region, all of which were utilized to devise development principles and growth strategies for the update.

Westgate Cherry Road TPA Grant 2020, Palm Beach County, FL, Westgate Belvedere Homes CRA, Quality Control Manager. Angela was the quality control manager for the project. WGI was retained to prepare a project feasibility report and provide grant writing assistance for the 2020 Palm Beach County Transportation Agency (TPA) Transportation Alternatives Program grant cycle. The project location, Cherry Road, connects a residential community with a commercial corridor and is heavily traveled by pedestrians and transit users, but has disconnected sidewalks and no bicycle facilities. WGI prepared a master plan graphic, designed typical cross section alternatives, and prepared cost estimates for pedestrian safety improvements which included a 10-foot multi-use path, traffic calming, additional landscape, pedestrian scale lighting, and a protected mid-block crossing. WGI staff was also involved with public outreach and meeting with stakeholders. The project was awarded a \$1M grant from the TPA grant program.

Banyan Boulevard Phase II, Design and Contract Document Services, Australian Avenue to Flagler Drive, Palm Beach County, FL, City of West Palm Beach, Landscape Architect of Record. Angela led the urban design and was the landscape architect of record on the project. Banyan Boulevard functions as a gateway into downtown West Palm Beach for many government employees and residents. The corridor provides access to the waterfront and a connection to the heart of the downtown entertainment district. The goal of this corridor redevelopment was to create a vibrant street and a downtown gateway, prioritizing pedestrians and cyclists, and designed with alternative mobility infrastructure, as well as safe accommodation of automobiles. Typical roadway sections were developed to transform the corridor into a bicycle and pedestrian-friendly link. The recommended typical section incorporated a raised protected cycle track for the length of the corridor, protecting cyclists from vehicular conflicts and reducing the width of pavement, which lends itself to slower driving speeds. The use and placement of the tree canopy creates a sense of enclosure and visual order. Due to the urban setting, soil cells installed underneath the sidewalk were a key component to the overall design to ensure the trees would have enough soil and water to thrive. Bioswales planted with native ground cover were used to alleviate drainage issues throughout the corridor. This design reinvents Banyan Boulevard as a corridor prototype for multimobility within the City.

Saddle Trail Park (South) Neighborhood Improvement Project, Palm Beach County, FL, Village of Wellington, Landscape Architect of Record. Angela was the landscape architect of record. WGI provided surveying, engineering design, permitting, public involvement assistance, bond assistance, and construction engineering services for the Saddle Trail Park (South) Neighborhood Improvement project. Saddle Trail Park is part of Wellington's Equestrian Preserve area and presented unique obstacles for the design and construction of the project. Key components of the project included the paving of existing shellrock roads, construction of new equestrian bridle trails, and traffic calming. WGI also provided full-time on-site construction phase services through the duration of the project.

SR 5 (US 1) Cudjoe Key, Monroe County, FL, FDOT District 6. Landscape Architect. This project encompasses over three miles of roadway through Cudjoe Key in the lower Florida Keys. WGI provided planning design services, prepared the traffic control plans, and developed project control sheets. Improvements included landscape and irrigation along the shoulders of SR 5/US 1 and a section of the Florida Keys Overseas Heritage Trail. Angela served as a landscape architect on the project.

Miscellaneous Landscape Architecture Services GGI Analysis, Miami-Dade County, FL, FDOT District 6, Phase Manager. Angela served as phase manager. WGI provided a comprehensive analysis of landscape impacts for the entire Golden Glades Interchange improvement projects. This including analysis potential landscape impacts from 15 roadway projects with the interchange. WGI provided all coordination between each of the roadway project managers, the District Landscape Architect and the District right of way department.

Delray Beach Parking/Mobility Study, Palm Beach County, FL, City of Delray Beach, Planner. Angela assisted with stakeholder outreach and general project oversight. The City of Delray Beach selected WGI to provide a proposal for professional services for Parking and Curbside Management Master Plan. Work includes analysis, public engagement, and planning exercises that will conclude in creation of the Master Plan, which will update the existing 2010 parking master plan and include a new curbside management element as part of a new plan. The plan will update data elements, provide context to technological advances in transportation and



LANDSCAPE ARCHITECTURE

Christine has nearly a decade of landscape design experience in a range of project types, including design for transportation, corporate site planning and design, and high-end residential design. Christine's experience covers multiple aspects of the design process, including concept generation, site inventory, site planning, landscape design, project specifications, and installation inspection.

RELEVANT EXPERIENCE

SR 429 (Wekiva Parkway) Segment 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5, Landscape Architect. Christine provided landscape design services for this project. This project designed and constructed 5.5 miles of a limited-access toll road, largely along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included a non-tolled service road for local travel, three new bridges over the Wekiva River, and several pairs of wildlife bridges to allow animals to pass safely between the Seminole State Forest and Rock Springs Run State Reserve. A multi-use trail was included along this section. Other services included bridge design, connector roads between remaining sections of CR 46A and SR 46, roadway widening, medians, turn lanes, drainage, lighting, signing and pavement marking, utilities, and other roadway features.

I-75 Charlotte County Rest Area Design, Charlotte County, FL, FDOT District 1, Landscape Architect. Christine provided landscape design services for this project. WGI provided architecture, roadway, drainage, environmental permitting, utilities, survey & landscape architecture services, as well managed the project's various subconsultants including ITS. Accommodations will be made for adequate restroom and parking facilities for future projected traffic volumes. Florida's rest area facilities are ideal locations to showcase innovative Architecture to the millions of travelers along the interstate system. The two locations along I-75 in Charlotte County are highly visible from the interstate, as well as from the surrounding context. The design will be a vibrant, timeless facility that fits within the modern, coastal Southwest Florida setting. The highest level of safety and security is designed into the architecture and site, driven by the "Crime Prevention through Environmental Design" (CPTED) multi-disciplinary approach and principles. All building entrances, public rest area amenities and parking areas are designed with clear sight lines from the Security Office. Situated in the open-air courtyard between each building's two restroom wings, this office will have 360-degree views of the publicly accessible areas. Minimizing hiding places, abundant lighting levels at pedestrian areas, efficient parking layouts, locations of amenities and the careful selection of landscape & hardscape materials support this overall concept of safety. Other design considerations for these sites includes separate pavement designs provided for access ramps, shoulders, and parking areas within the site. The rest area facilities incorporated a combination of a closed/open drainage system with new detention ponds designed to treat and attenuate the new impervious area. On-site mitigation for floodplain impacts was incorporated into the design. Permits were obtained from the United States Army Corps of Engineers (USACOE), SWFWMD, and the FDEP. Planting and irrigation plans will use low maintenance species landscaping while addressing mitigation for removal of existing trees.

Pedestrian/Bicycle Bridge Concept Additional Services, Miami-Dade County, FL, City of Doral, Landscape Architecture. Christine provided landscape design services for this project. WGI performed this work as part of a continuing services contract with the City of Doral. This project included the development of Design-Build RFP criteria for architecture and bridge aesthetics, utility coordination, and environmental documentation. Deliverables and specific RFP components included a bridge aesthetic manual, completed permitting applications, and utility documentation. The Bridge Aesthetics Manual (BAM) will be included within the criteria document as a means to identify architectural and aesthetic requirements for the proposed pedestrian bridge. WGI also utilized the latest in visualization technologies to enhance the BAM with photo-realistic 3D imagery of the proposed pedestrian bridge concept design.



**Christine
Crespo Valentin,
PLA**

REGISTRATIONS:

Professional Landscape Architect:
Florida #LA6667421, 2018
Puerto Rico #128, 2020

EDUCATION:

Bachelor of Science,
Horticulture and Agronomy -
Agricultural Sciences -
Universidad de Puerto Rico,
2008
Master of Landscape
Architecture, - North Carolina
State University, 2012

CERTIFICATIONS:

FDOT Design Exceptions and
Variations

FDOT Highway Landscape
Management: Designing
Landscapes for FDOT

FHWA Designing Pedestrian
Facilities for Accessibility

AFFILIATIONS:

American Society of Landscape
Architects

Hillsborough County
Metropolitan Planning

International Society of
Arboriculture

Urban Land Institute

YEARS OF EXPERIENCE

TOTAL: 9 WITH WGI: 4

I-75 Widening Design-Build from South of SR 50 to Hernando/Sumter County Line, Hernando County, FL, FDOT District 7, Landscape Architect. Christine provided landscape design services for this project. This \$94M design-build project consisted of widening and reconstruction of six miles of I-75 in Hernando County, including reconstruction of the interchange at SR 50 (US 98Cortez Boulevard) to a Single Point Urban Interchange (SPUI) configuration. The I-75 bridges over SR 50 were replaced with single-span steel girder bridges designed to accommodate a future 10-lane typical section for I-75 and eight-lane typical section for SR 50. Approximately one mile of SR 50 was widened and reconstructed within the interchange limits using concrete pavement. New high mast lighting was designed for the interchange and signals were replaced at the ramp intersections. New ITS infrastructure was designed along I-75 and SR 50. Utility Work by Highway Contractor (UWHC) plans were developed for relocation of Hernando County water and wastewater mains. The project included replacement of the guardhouse at the entrance to the Withlacoochee State Forest Croom Motorcycle Area. I-75 bridges over Croom Rital Road and the Withlacoochee River were widened to accommodate new lanes. Environmental permits were secured from SWFWMD and USACE. Other services included signing and pavement marking, geotechnical investigation, gopher tortoise survey and relocation, utility coordination, and public involvement.

HEFT (SR 821) Widening from SR 836 to NW 106th Street, Miami-Dade County, FL, Florida's Turnpike Enterprise, Landscape Architect. Christine provided landscape design services for this project. The project consisted of completion of final design plans and construction specifications for widening of the HEFT (SR 821) from south of SR 836 (Dolphin Expressway) to NW 106th Street to ten lanes, including the incorporation of express lanes. The project included design and inclusion of the ultimate HEFT/SR 836 interchange incorporating all movements to and from the two expressway facilities, including direct connections to the HEFT express lanes to and from the west, and incorporation of a new northbound entry ramp at NW 41st Street from NW 117th Avenue. The project design included roadway, drainage, stormwater management, signing and pavement marking, structures, toll gantries and facilities, ITS, lighting, environmental permitting, landscape architecture, utility coordination, subsurface utility exploration, and survey and mapping. The structural scope included numerous Florida I-Beam bridge widenings and additional curved steel flyovers at the SR 836/HEFT interchange.



MOBILITY AND CONNECTED COMMUNITIES

Lisa is a respected urban designer known for combining timeless community design and innovation with focus on advancing new planning techniques that incorporate trends and emerging technologies. She has been a sustainable communities, new mobility, and smart city consultant, researcher on smart mobility, and urban planning start-up founder. She is a skillful facilitator adept at designing broad and meaningful stakeholder outreach processes.

RELEVANT EXPERIENCE

Sustainable Mobility Plan, Wellesley, MA Principal. Lisa served as principal on this project. The town of Wellesley is creating a mobility plan to identify critical network links that link travelers with destinations. The plan will build upon the Town's expansive, but fragmented, trail system, links to regional hubs, and use of several commercial areas as transformational "15-minute cities" to replace many automobile trips with lower impact modes. Central to this effort is a comprehensive data strategy for assessment, monitoring and operations. Lisa is helping with a 100% outreach plan that reaches a broad audience with highly visual and interactive exercises for stakeholder input.

Neptune Beach Comprehensive Plan and Land Development Code Revision, Neptune Beach, FL, Principal. Lisa is responsible for integrating appropriate transportation technologies and supportive Complete Streets design. WGI assisted Dover-Kohl & Partners in developing new Vision and Comprehensive Plan documents for Neptune Beach, in Northeast Florida, that will further guide comprehensive plan updates. Lisa primarily focused on development of the Mobility Plan, such as microtransit and automated vehicles, leading discussions for neighborhood, and community and design charrettes, as well as overall public engagement that quickly pivoted to enhance online engagement due to COVID-19. The results identified a mobility network to connect Complete Streets, enhance the bicycle network, early concepts for a parking structure that includes a mobility hub, and autonomous circulator services to the beach. Through exploring these items our team created a vision plan that meets the existing and potential mobility challenges of Neptune Beach with improved street design, redevelopment, and future-ready infrastructure.

Delray Beach Parking/Mobility Study, Delray Beach, FL, City of Delray Beach. The City of Delray Beach selected WGI to provide a proposal for professional services for Parking and Curbside Management Master Plan. Work includes analysis, public engagement, and planning exercises that will conclude in creation of the Master Plan, which will update the existing 2010 parking master plan and include a new curbside management element as part of a new plan. The plan will update data elements, provide context to technological advances in transportation and their impacts locally, determine feasible alternatives for the City to consider, and identify policies and projects to implement the plan.

TCRP J-11, Task 27, Low-Speed Automated Vehicles (LSAVs) and Public Transportation, Transit Cooperative Research Program. Lisa is a contributor to the report (expected late Fall 2020). Lisa's role is to describe implications for local governments and transit agencies with a focus on infrastructure design, placemaking and support for multi-modal transportation. Commercial deployment of low-speed AV shuttles is currently underway, though pioneering transit agencies need guidance to successfully test, scale and ultimately integrate new technology into transit systems. Detailed guidance on design and policy includes shuttles for first and last mile connections to existing transit services, neighborhood circulators, service for mobility deserts and integration and promotion of active transportation. The guidance and checklists for these topics includes address goal setting for automated technology, technology implementation and deployment, mobility hub and mobility lane concepts, and consumer acceptance.

Consortium for Scenario Planning Impactful Projects Program, Cambridge, MA, Lincoln Institute for Land Policy. Lisa was awarded a grant to develop sample scopes of work for various scenario planning exercises (a one-day workshop, a smart city plan, and a climate emergency action plan. The Lincoln Institute for Land Policy's Consortium for Scenario Planning seeks to rapidly scale next



**Lisa
Nisenson**

EDUCATION:

Master of Arts, Education Administration - Harvard University, 1988

Bachelor of Arts, Biology - Meredith College, 1984

YEARS OF EXPERIENCE

TOTAL: 23

WITH WGI: 1

PREVIOUS POSITIONS

Nisenson Consulting (Principal, 2006-2018)

Alta Planning + Design (Consultant, 2016-2018)

Sarasota County Planning Office (Greenhouse Gas Coordinator, 2007-2012)

USEPA (Sr. Policy Analyst, Sustainable Communities division, 1997-2006)

generation planning processes to help communities and agencies better incorporate trends and uncertainty into development of plans, policies, and built projects.

Bike Share and Micromobility Study, City of Asheville, NC. In 2016, Lisa worked with Asheville, NC to determine whether/how to attract e-bikeshare to the city and local campuses. The tasks involved research into the legal framework for micromobility permits in North Carolina, work from peer cities, a permit guide, and other related best practices. The resulting report ensured a more robust feasibility assessment given the increase in the number and variety of shared modes.

Parking Framework and Recommendations for Parkside Place, Seminole County, FL, Palmeira Holdings LLC. A private developer hired Lisa and Sandra Phillips from Movmi to develop a parking strategy to eliminate parking using site design, smart city technology, and new mobility. The resulting plan eliminated over 9,000 excess spaces, recommending strategies for building and district design, smart city technology, new mobility, contingency parking, and transportation demand management. The development order was approved by the Seminole County Commission October 9, 2018 unanimously and includes bonus density.

Take AV Shuttles to the Streets, Eno Center for Transportation. In 2017, Eno Center for Transportation convened approximately 100 experts to consider new mobility. This included an afternoon scenario planning workshop, conducted with Mobilitye3, enlisting participant views on necessary steps to launch an autonomous shuttle in Crystal City (now National Landing) within two years. Groups were separated into four groups: Finance and Funding, Law and Policy, Safety and Funding, and Planning. Through structured prompts, each group explored potential benefits and risks related to AV shuttles, levers (e.g., regulations, pricing), research needed, and questions. The results of this project provided crowd-sourced information for regional and local governments.

Planning for Autonomous Vehicles, Vehicle Symposium, Report, and APA Knowledgebase, American Planning Association. Lisa has worked with the American Planning Association to develop tools and guidance on planning for autonomous vehicles. In 2018, APA, along with the National League of Cities, Brookings, Eno, George Mason, and Mobility Lab hosted a research symposium to identify key considerations for cities with respect to managing impacts of AVs. Products included new content for APA's Knowledgebase on autonomous vehicles with recommendations for regarding land use planning, equity, transportation planning, and fiscal impacts. In addition, the report future research needs and offers policy recommendations. Lisa has authored two articles for APA's journal Planning covering scenario planning and e-commerce trends, which includes automated delivery vehicles.

Planning for AVs and New Mobility Trainings, Virginia Transit Association, Massachusetts Chapter of the Institute for Traffic Engineers, Planetizen, Next Generation Scenario Planning Training: ITE Massachusetts, George Mason University, Virginia Chapter of the American Planning Association. The novelty and fast pace of change with new mobility requires an agile approach to training and skills building. Lisa has developed curricula for workshops and trainings for a range of stakeholders who are or will be engaged with changing aspects of transportation, infrastructure, and economic development. The workshops are purposefully designed to achieve multiple training goals at once, including education (on both subject matter and scenario planning), urban design, stakeholder engagement, brainstorming and forecasting. Topics include the status and trends for mobility and smart city technology, legal and policy updates, emerging forecasting and planning processes, integrated transportation and land use planning, and best practices. Training outcomes include the increase in new mobility elements in client solicitations, training materials, plans and policies.

Morgan Hill Station Area Master Plan, Morgan Hill California. In 2017, Morgan Hill asked for recommendations and considerations for New Mobility and the Shared Economy. In working with the client, we developed 27 recommendations for the following categories: Planning for Transportation Technology, Pedestrian & Bicycle Technology, Vehicle & Transit Technology, Smart Infrastructure, Parking Technology, and Planning for e-Commerce. The final report included background, trends, terms, and recommendations, which informed the planning process and transportation plan updates.

Planning for New Mobility, Writing Effective Regulations, Alta Planning + Development. This 2018 White Paper was developed in response to client interviews that revealed the need for practical and easy-to-use information on preparing for new mobility. Since most new mobility initiatives begin with a resolution by a governing body, this guide supplies background information, instructions on developing resolutions and copy-and-paste language. The sample phrases were designed to also apply to comprehensive and other plans.

Riding into the Future Campaign, Sarasota County, FL/Sarasota County Areawide Transit. As part of a grant from the Federal Transit Administration, "Riding into the Future" was a day-long public outreach event to explore TOD surrounding the city's main transit center. Lisa conducted three walk audits, examining the elements of TOD and sparking conversations with participants on how the city could improve the urban design and connections in the vicinity of the station. Density in Sarasota is a hot button issue, so walk tours provided the opportunity to examine density's role in TOD and design approaches to mitigate or eliminate negative impacts. The results were used to shape the transit plan.



Michele Brennan

Public Involvement – Team Leader

Michele has more than 25 years of experience in developing programs that demonstrate the power of messaging and the importance of community engagement. Her experience includes leading public involvement programs, creating education and marketing campaigns, facilitation trainings, and building public relations strategy. Michele is a consensus builder that leverages the power of partnerships through engaging residents, businesses, key stakeholder groups, and elected officials. She has a passion for connecting people to projects and finding inclusive, creative ways to close the gap on complex topics.

EDUCATION

M.A., Public Administration,
Webster University, 1998

B.A., Sociology, High Point
University, 1993

MEMBERSHIPS

Florida Public Relations
Association

RELEVANT EXPERIENCE

FDOT District 5, Black Bear and North Lake Phase 3 Trail Corridor Studies

Marion, Lake and Volusia Counties, FL

Public Involvement. FDOT District 5 conducted two Corridor Planning Studies to assess alternative alignments for two multi-use trails known as Black Bear and North Lake Phase 3. Aubyn assisted in preparing the Corridor Planning Study Technical Memoranda and in preparing technical memoranda documenting the ability of the projects to meet the criteria for a Type I CE.

FDOT Central Office, M-CORES Program

Statewide, FL

Communications Lead. Michele is assisting the FDOT Communications Director with communication and engagement strategy for the M-CORES program. In addition, she has oversight of the three corridor communication teams and other consultants to ensure consistent messaging, maximize outreach and increase engagement.

Communication tasks include managing media strategy, crafting talking points for the secretary and communications director, creating communication plans and managing communication tools including social media, newsletter and website.

Hillsborough County, Public Works Administration

Hillsborough County, FL

Communications Lead. Michele is leading the first strategic communications endeavor for the County's Technical Services Division. This effort will assist elected leaders and staff in educating and raising awareness of programs, services and initiatives in a transparent



manner. Consistent visuals and messages are the foundation of the campaign.

Florida's Turnpike Enterprise, Northern Turnpike Corridor Owner's Representative

Sumter, Marion, Citrus and Levy Counties, FL

Public Engagement. HDR is serving as Owner's Representative to Florida's Turnpike Enterprise for the Northern Turnpike Corridor (NTC), part of the Multi-use Corridors of Regional Economic Significance (M-CORES) Program. The NTC will extend Florida's Turnpike (SR 91) from its current terminus at Wildwood in Sumter County to the Suncoast Parkway, approximately 40 miles. As Owner's Rep, HDR is performing Program Management, Task Force Support, Public Involvement, Planning and Corridor Analysis, PD&E Consultant Management, Data Collection & Analysis and GIS Services.

FDOT District 5, Public Engagement Plan

Districtwide, FL

Task Lead, GPC contract. When faced with the internal challenge of inconsistent public engagement efforts, D5 reached out to HDR to develop a solution. In response, HDR's Strategic Communications Team created a Public Engagement Strategy that provided clear direction for staff. The strategy outlined leadership's expectations for all projects, vision characteristics and guiding principles. The next phase will include the development and implementation of a Public Engagement Action Plan that will incorporate the tools, technology and training needed to change the internal culture.

MetroPlan Orlando, 2045 Metropolitan Transportation Plan

Orange, Seminole and Osceola Counties, FL

Public Involvement. Michele supported the stakeholder outreach strategy surrounding the Public Participation Plan, as a part of the organization's 2045 Metropolitan Transportation Plan. Efforts included support and facilitation of a strategy session to review stakeholder groups and outreach methods, designed to solicit engagement and enhance communication.

FDOT District 5, SR 40 Scenic Black Bear Trail Corridor Planning Study

Central Florida

Public Involvement Support. HDR worked to identify and evaluate alternatives for a shared-use path (trail) along the approximately 27 mile section of SR 40 from Levy Hammock Road to US 17 that may be carried forward into the PD&E stage. Michele involved in public involvement.



Teresa Donaldson

Public Involvement

EDUCATION

B.A., Communications,
University of Central Florida

Teresa is a public relations and brand marketing professional with over 18 years of leadership experience in communications, storytelling, brand development, community relations, and issues management. With strong skills in strategic planning, business development and public involvement, Teresa leads clients in the development of successful communications strategies that promote internal engagement and external awareness and advocacy. Teresa is an organized and energetic manager with a proven track record of producing results.

RELEVANT EXPERIENCE

FDOT District 5, I-75 Forward PD&E Study

Sumter, Marion and Alachua Counties, FL

Public Involvement Task Lead. Public involvement was a critical component for this District 5 PD&E, and Teresa lead the communication and engagement strategy for this project. She oversaw the development of the communication and public involvement strategy and lead the execution of all outreach efforts, which were designed to engage target audiences and generate advocacy.

MetroPlan Orlando, 2045 Metropolitan Transportation Plan

Orange, Seminole and Osceola Counties, FL

Public Involvement. As a part of MetroPlan Orlando's 2045 Metropolitan Transportation Plan, Teresa supported the stakeholder outreach strategy surrounding the Public Participation Plan. A part of her efforts included support and facilitation of a strategy session to review stakeholder groups and outreach methods which was designed to solicit engagement while enhancing communication.

Forward Pinellas, Downtown St. Petersburg Mobility Study

Pinellas County, FL

Community Outreach. The Downtown St. Petersburg Mobility Study was engaging the community to help define a vision for multi-modal mobility in the greater Downtown area, looking at ways to improve mobility, livability and economic vitality and identifying and prioritizing transportation projects, large and small. Teresa lead the public involvement and promotion of the study, including communications, branding and virtual strategy for public input.

**FDOT District 5, Public Engagement Plan***Districtwide, FL*

Public Engagement. When faced with the internal challenge of inconsistent public engagement efforts, D5 reached out to HDR to develop a solution. In response, HDR's Strategic Communications Team created a Public Engagement Strategy that provided clear direction for staff. The strategy outlined leadership's expectations for all projects, vision characteristics and guiding principles. The next phase will include the development and implementation of a Public Engagement Action Plan that will incorporate the tools, technology and training needed to change the internal culture. Teresa is currently supporting the department's public engagement efforts through strategic planning, ideation and communication initiatives to meet organizational goals. These goals include changing the internal culture and increasing stakeholder engagement.

Broward MPO, Speak Up Broward*Broward County, FL*

Community Outreach. The Speak Up Broward Phase 2 project consists of two main tasks: the development of a Local Transportation Funding Plan and General MPO Awareness. Teresa was involved in creating educational outreach strategies to inform the public about local transportation funding plans that may be advanced by Broward County or the municipalities as well as programs to engage the public in MPO programs and events to elevate awareness. HDR developed infographics to convey complex issues plainly, conducted multimedia Town Hall events, coordinated a Speakers Bureau and conducted other engagement activities.

Florida's Turnpike Enterprise, Northern Turnpike Corridor Owner's Representative*Sumter, Marion, Citrus, and Levy Counties, FL*

Public Engagement. HDR is serving as Owner's Representative to Florida's Turnpike Enterprise for the Northern Turnpike Corridor (NTC), part of the Multi-use Corridors of Regional Economic Significance (M-CORES) Program. The NTC will extend Florida's Turnpike (SR 91) from its current terminus at Wildwood in Sumter County to the Suncoast Parkway, approximately 40 miles. As Owner's Rep, HDR is performing Program Management, Task Force Support, Public Involvement, Planning and Corridor Analysis, PD&E Consultant Management, Data Collection & Analysis and GIS Services. Teresa is responsible for the development and implementation of strategies designed to actively engage the participation of communities, local government leadership, agencies, interest groups and the public for the duration of this project.



Jeff Arms, PE, PMP, AICP, PTOE

Corridor Analysis

Jeff has dedicated his career to planning and implementing transportation projects that improve the quality of life of communities. He is a leader in the fields of infrastructure consulting, design, planning and local government operations. He has extensive relationships with engineering, planning, and community leaders throughout Central Florida and possesses a thorough understanding of the region's political climate. Throughout his career, Jeff has fostered a collaborative team environment where innovative solutions are developed to complex problems.

EDUCATION

M.P.A., Public Administration,
University of Central Florida,
2009

B.S., Civil Engineering,
University of Florida, 1996

REGISTRATIONS

Professional Engineer,
Florida, No. 56923

American Institute of Certified
Planners, No. 018217

Professional Traffic
Operations Engineer,
No. 1216

Project Management
Professional (PMP),
No. 1789409

PROFESSIONAL MEMBERSHIPS

Institute of Transportation
Engineers; American Planning
Association

RELEVANT EXPERIENCE

FDOT District 5, SR 40 Black Bear Trail Corridor Study and North Lake Trail, Ph. 3

Volusia, Lake and Marion Counties, FL

HDR performed two studies which identified and evaluated alternatives that could be carried forward into the PD&E Stage. Black Bear Trail Corridor Planning Study is to evaluate a multi-use trail along the approximately 27-mile section of State Road 40 (SR 40) from Levy Hammock Road to U.S. 17. North Lake Trail - Corridor Planning Study to evaluate a multi-use trail along the approximately 19-mile section of SR 19 from CR 450A to SR 40 and the Planned Black Bear Scenic Trail.

FDOT District 5, US 301 PD&E Study from C-470 East to SR 44, Sumter County, FL

Project Manager. HDR studied the widening of State Road 35/US 301 from C-470 East to SR 44, a distance of approximately 7.7 miles. This included an analysis of a possible truck route south of the east-west portion of SR 35/US 301 that travels through the City of Coleman. The project also included the analysis of several build alternatives for the SR 35/US 301 interchange with Florida's Turnpike. Extensive coordination occurred with several ongoing adjacent projects/studies and large developments. A Project Advisory Group (PAG) was formed to assist the study team and to provide additional outreach opportunities to those potentially affected relative to Executive Order 12898 (Environmental Justice). Multiple local agencies, including Sumter County, Lake~Sumter MPO, City of Coleman and City of Wildwood were actively involved in the study.

**City of Orlando, Downtown Connector Trail Final Design***Orlando, FL*

HDR completed the Downtown Connector Trail Final Design Plans for the City of Orlando. The design included replacing 5 foot sidewalk with a 10 foot multi-use path along the south side of Anderson Street from Delaney Avenue to Lake Underhill Road. Extensive coordination with FDOT was necessary, as portions of the project were within the FDOT right-of-way. The project required narrowing the roadway and relocating curb and drainage inlets. HDR coordinated and obtained a No Permit Required determination from SJRWMD for the project.

Orange City Trails Master Plan*Orange City, FL*

Jeff served as Quality Control/Quality Assurance Manager on this project for the City of Orange City to develop a citywide trail plan, which included identification of preliminary trail network; trail corridor prioritization; and trail corridor feasibility reviews and concept summaries for high priority trail corridors.

Lake~Sumter MPO, SR 44 (Dixie Avenue) Complete Streets and Traffic Calming and Access Study*Leesburg, FL*

Jeff served as Project Director on the 2 mile long corridor study to convert a five-lane truck route in a complete street that more safely accommodates all modes. The project included the development of an access plan for the introduction of a median. The plan balanced the needs of the community to reach its signature park with the over 10 percent truck traffic.

MetroPlan Orlando, General Planning Consultant*Orange, Osceola, and Seminole Counties, FL*

Project Manager. HDR was selected as a GPC to provide staff support in order to accomplish various transportation planning functions relating to its Unified Planning Work Program (UPWP). The contract involves providing assistance to staff on a work assignment basis in a variety of planning, technical, and graphical activities. Tasks have included the Silver Star Road Complete Streets Plan and the Edgewater Drive Complete Streets Concept Plan.



Mark Suarez, PE

Corridor Analysis

Mark specializes in Complete Streets and trails and has successfully completed a wide variety of projects in final design, concept development and planning over the past 15 years. In addition, Mark served for over five years on the City of Orlando Municipal Planning Board, including as Vice Chairperson for two years and Chairperson for one year. While on the Board, Mark gained the valuable skills of navigating complex projects with engineers, developers, attorneys, and members of the public.

EDUCATION

B.S., Civil Engineering,
University of Central Florida,
2009

REGISTRATIONS

Professional Engineer, Florida,
No. 76977

RELEVANT EXPERIENCE

FDOT District 5, SR 40 Black Bear Trail Corridor Study and North Lake Trail, Phase 3

Volusia, Lake and Marion Counties, FL

Project Engineer. As part of our General Planning Consultant contract, HDR was selected for two studies which identified and evaluated alternatives that could be carried forward into the PD&E stage. *Black Bear Trail Corridor Planning Study* evaluated a multi-use trail along the approximately 27-mile section of SR 40 from Levy Hammock Road to U.S. 17. *The North Lake Trail Corridor Planning Study* evaluated a multi-use trail along the approximately 19-mile section of SR 19, from CR 450A to SR 40, and the Planned Black Bear Scenic Trail.

City of Altamonte Springs, Hermits Trail

Altamonte Springs, FL

Project Manager. Under a continuing contract with the City of Altamonte Springs, HDR submitted signed and sealed construction plans which will fill sidewalk gaps along Hermits Trail from SR 436 to Florida Boulevard, 1st Street from Hermits Trail to Newburyport Avenue, 2nd Street from Hermits Trail to Newburyport Avenue, and Newburyport Avenue from Holly Street to Magnolia Street. HDR coordinated and obtained a No Permit Required determination from SJRWMD for the project. To obtain this determination, portions of Newburyport Avenue were slightly narrowed to avoid wetland impacts by the proposed sidewalks. In addition, utility coordination was performed with utilities in the area. Utilities were avoided where possible.

City of Orlando, Downtown Connector Trail

Orlando, FL

Project Manager. HDR has been selected by the City of Orlando to design the Downtown Connector Trail located near Downtown Orlando. The Downtown Connector Trail will begin at the intersection of Lake Underhill Road and Anderson Street where the existing Lake Underhill



Path is located. The trail will move west on Anderson Street approximately two miles, to the intersection of Anderson Street and Delaney Avenue. The trail will be a minimum of 10 feet wide and will be located within the existing Anderson Street right-of-way. The trail design will require coordination between the City of Orlando, Florida Department of Transportation, Central Florida Expressway Authority, neighborhood associations, and all applicable utility companies. The Downtown Connector Trail is a crucial part of the overall trail network. It is the last major gap in the Orlando Bicycle Beltway, which is a proposed 8.5-mile loop trail that goes through and around the Central Business District.

Seminole County, Rolling Hills Area Corridor Study

Seminole County, FL

Project Manager. As part of our General Transportation Planning Consultant contract, HDR completed the Rolling Hills Area Corridor Enhancement Study for Seminole County. This study provided the County with recommendations and concepts for feasible improvements benefiting all users on three collector roadways serving the Palm Springs and the Rolling Hills neighborhoods.

Osceola County, Trail Network Review and Neptune Road Trail Concept Study

Osceola County, FL

Trail Design Engineer. In efforts to better define the existing trail network and advance the trail system along Neptune Road, Osceola County worked with HDR to review and improve the trail network, branding, amenities, and connectedness. The broader focus area for the study encompasses the areas within the urban growth boundary east of SR 535 and west of the St. Cloud Joint Planning Area for review of additional trail network connections in Osceola County. The Neptune Road Area is specifically the area along Neptune Road and connects to NeoCity development and downtown Kissimmee. Specific recommendations will be provided for the interface between the new trail facilities planned for NeoCity trails and the existing trail segment along the south side of Neptune Road east of Kissimmee.

Osceola County, PD&E Services for the Widening of Simpson Road

Osceola County, FL

Project Engineer. HDR prepared a Categorical Exclusion with supporting environmental and preliminary engineering documentation for additional capacity need on a 4.1-mile segment of Simpson Road from US 192 to 560' south of Myers Road. The proposed improvements were planned to increase capacity through the corridor, enhance operations, and improve bicycle and pedestrian conditions.



Tyler Valila, PE

Corridor Analysis

Tyler provides technical analysis and supporting assistance on a variety of projects including mixed-use trails and complete-streets. As a graduate student at the University of Florida, Tyler worked on corridor analyses and also completed a thesis studying operational effects to different transportation modes at signalized intersections based on geometric changes.

EDUCATION

M.E., Civil Engineering,
University of Florida, 2017

B.S., Civil Engineering,
University of Massachusetts
Lowell, 2016

REGISTRATIONS

Professional Engineer, Florida,
No. 90792

RELEVANT EXPERIENCE

FDOT District 5, SR 40 Black Bear Trail Corridor Study and North Lake Trail, Ph. 3

Volusia, Lake and Marion Counties, FL

Engineering Intern. Tyler is assisting the work with crash statistics analysis, technical report writing and data collection for two studies which identified and evaluated alternatives that could be carried forward into the PD&E stage. Black Bear Trail Corridor Planning Study is to evaluate a multi-use trail along the approximately 27 mile section of State Road 40 (SR 40) from Levy Hammock Road to U.S. 17. North Lake Trail - Corridor Planning Study to evaluate a multi-use trail along the approximately 19-mile section of SR 19 from CR 450A to SR 40 and the Planned Black Bear Scenic Trail.

Osceola County, Simpson Road PD&E Study

Osceola County, FL

Engineering Intern. HDR is preparing a Categorical Exclusion with supporting environmental and preliminary engineering documentation for additional capacity need on a 4.1 mile segment of Simpson Road from US 192 to 560' south of Myers Road. The project includes the widening of two segments of 2-lane roadway to 4-lanes and improve a 5-lane undivided roadway segment. The proposed improvements are planned to increase capacity through the corridor, enhance operations, and improve bicycle and pedestrian conditions.

City of Altamonte Springs, Hermits Trail Design

Altamonte Springs, FL

Engineering Intern. Under a continuing contract with the City of Altamonte Springs, HDR submitted signed and sealed construction plans which will fill sidewalk gaps along Hermits Trail from SR 436 to Florida Boulevard, 1st Street from Hermits Trail to Newburyport Avenue, 2nd Street from Hermits Trail to Newburyport Avenue, and Newburyport Avenue from Holly Street to Magnolia Street. HDR coordinated and obtained a No Permit Required determination from SJRWMD for the



project. In addition, utility coordination was performed with utilities in the area. Utilities were avoided where possible.

City of Orlando, Downtown Connector Trail

Orlando, FL

Engineering Intern. HDR has been selected by the City of Orlando to design the Downtown Connector Trail located near Downtown Orlando. The Downtown Connector Trail will begin at the intersection of Lake Underhill Road and Anderson Street where the existing Lake Underhill Path is located. The trail will move west on Anderson Street approximately two miles, to the intersection of Anderson Street and Rosalind Avenue. The trail will be a minimum of 10 feet wide and will be located within the existing Anderson Street right-of-way. The trail design will require coordination between the City of Orlando, Florida Department of Transportation, Central Florida Expressway Authority, neighborhood associations, and all applicable utility companies.

City of Orlando, Downtown Connector Trail

Orlando, FL

Engineering Intern. HDR was selected by the City of Orlando to design the Downtown Connector Trail, located near Downtown Orlando. The Downtown Connector Trail will begin at the intersection of Lake Underhill Road and Anderson Street where the existing Lake Underhill Path is located. The trail will move west on Anderson Street, approximately two miles, to the intersection of Anderson Street and Delaney Avenue. The trail will be a minimum of 10 feet wide and will be located within the existing Anderson Street right-of-way. The trail design required coordination between the City of Orlando, Florida Department of Transportation, Central Florida Expressway Authority, neighborhood associations, and all applicable utility companies. The Downtown Connector Trail is a crucial part of the overall trail network. It is the last major gap in the Orlando Bicycle Beltway, which is a proposed 8.5-mile loop trail that goes through and around the Central Business District.

City of Clearwater, Fort Harrison Complete Streets Study

Clearwater, FL

Engineering Intern for a study which will provide the city with recommendations for short term and long term improvements benefiting all users along Ft. Harrison Avenue from the southern city limits to Alt. US 19 through downtown Clearwater.



James "Jamie" M. Krzeminski, PE

Traffic & Bike/Ped Safety

Jamie is a senior transportation engineer with 25 years of experience in transportation planning and traffic engineering, much of which has been focused on the provision of Complete Streets. Jamie has worked with both public and private clients including cities, counties and MPOs in 20 states around the U.S. on projects ranging from intersection and corridor-level multimodal improvement projects to region-wide bicycle and pedestrian master plans. As a regular bicycle commuter and recreational cyclist, he brings a true cyclist's perspective to his work, which adds to his credibility with clients, and bicycling and walking advocates. He currently serves on the Board of Directors for Bike/Walk Central Florida, is a past Chairman of the City of Winter Park's Pedestrian and Bicycle Advisory Board, and is a League of American Bicyclists Cycling Instructor.

EDUCATION

M.E. (Specializing in Transportation), 1996, University of Florida

B.S., Civil Engineering, 1995, University of Florida

REGISTRATIONS

Professional Engineer, Florida, No. 56153

Professional Traffic Operations Engineer, No. 1403

APA – Florida

Board Member of Bike/Walk Central FL

Past Chairman of Winter Park's Pedestrian & Bicycle Advisory Board

League of American Bicyclists Cycling Instructor

RELEVANT EXPERIENCE

City of Orlando, Bike Plan Update

Orlando, FL

Project Manager. The plan recommended a visionary bike network comprised of highly connected, convenient, low-stress facilities and improvements, and prioritized a list of high impact projects for a 10-year planning horizon. The plan also provides a policy framework to continue the City's transformation into a more bike-friendly community. The plan update will include graphics and photos to display proposed concepts, recommended projects, and infrastructure examples. Public meetings will be held to engage the public and increase community visibility.

Osceola County, Trail Network Review and Neptune Road Trail Concept Study

Osceola County, FL

Transportation Engineer. In efforts to better define the existing trail network and advance the trail system along Neptune Road, Osceola County worked with HDR to review and improve the trail network, branding, amenities, and connectedness. The broader focus area for the study encompasses the areas within the urban growth boundary east of SR 535 and west of the St. Cloud Joint Planning Area for review of additional trail network connections in Osceola County. The Neptune Road Area is specifically the area along Neptune Road and connects to NeoCity development and downtown Kissimmee. Specific recommendations will be provided for the interface between the new trail



facilities planned for NeoCity trails and the existing trail segment along the south side of Neptune Road east of Kissimmee.

City of Orlando, Downtown Connector Trail

Orlando, FL

Transportation Engineer. HDR has been selected by the City of Orlando to design the Downtown Connector Trail located near Downtown Orlando. The Downtown Connector Trail will begin at the intersection of Lake Underhill Road and Anderson Street where the existing Lake Underhill Path is located. The trail will move west on Anderson Street approximately two miles, to the intersection of Anderson Street and Rosalind Avenue. The trail will be a minimum of 10 feet wide and will be located within the existing Anderson Street right-of-way. The trail design will require coordination between the City of Orlando, Florida Department of Transportation, Central Florida Expressway Authority, neighborhood associations, and all applicable utility companies. The Downtown Connector Trail is a crucial part of the overall trail network and also the last major gap in the Orlando Bicycle Beltway, which is a proposed 8.5 mile loop trail that goes through and around the Central Business District.

Fort Walton Beach MPO Bicycle/Pedestrian Plan

Okaloosa County, South Walton County and FL Panhandle

Project Manager for the Bicycle/Pedestrian Plan, which included Okaloosa County, southern Walton County, and six cities in Florida's panhandle. A community defined vision was established through citizen and agency participation in an intensive multi-day charrette. The vision and issues identified by the community were used to drive the evaluation and prioritization process for the Plan. Innovative Bicycle and Pedestrian Level of Service models, which quantify the quality of service experienced by bicyclists and pedestrian traveling the roadway networks of urbanized areas, were used to analyze existing conditions, as well as evaluate and prioritize potential improvements.

City of Sandy Springs, Bicycle, Pedestrian and Trail Implementation Plan

Sandy Springs, GA

Transportation Engineer for this project for the City of Sandy Springs to develop a comprehensive plan for Sandy Springs' future bicycle and pedestrian infrastructure. The plan included five components: existing conditions evaluation and system appraisal, bicycle and pedestrian network development, recommendations and implementation, and public input. A final recommended bicycle and pedestrian network was developed to include location of existing and proposed facilities.



Matthew Wiesenfeld, PE, AICP

Traffic & Bike/Ped Safety

Matt is a Transportation Engineer with 16 years of experience in the transportation field, including work in the public and private sectors. Through his experience with public sector clients, and as a former public employee, Matt has worked on a variety of highway, transit and multi-modal projects. While in Portland, OR, he performed extensive land use, traffic operation analysis, and public involvement for the Barnhart Road Interchange Area Management Plan (IAMP). He also performed similar work for the Palm Bay Parkway PD&E in Brevard County, FL. With a background in signal coordination, Matt led the development and implementation of Transit Signal Priority on the City of Orlando's TSP Demonstration project on I-Drive for the ITS World Congress in 2011. In 2015, while working for the City of Orlando, Matt served as the alternate Technical Advisor Committee (TAC) member for SunRail, attending TAC meetings, reviewing submitted information from SunRail and providing summaries for the progress for senior city officials.

EDUCATION

M.S., Civil Engineering,
Purdue University, 2008

B.S., Civil Engineering,
Georgia Institute of
Technology, 2006

REGISTRATIONS

Professional Engineer,
Florida, No. 73065

AICP, No. 027585

RELEVANT EXPERIENCE

Osceola County, Trail Network Review and Neptune Road Trail Concept Advancement

Osceola County, FL

Project Manager. In efforts to better define the existing trail network and advance the trail system along Neptune Road, Osceola County worked with HDR to review and improve the trail network, branding, amenities, and connectedness. The broader focus area for the study encompasses the areas within the urban growth boundary east of SR 535 and west of the St. Cloud Joint Planning Area for review of additional trail network connections in Osceola County. The Neptune Road Area is specifically the area along Neptune Road and connects to NeoCity development and downtown Kissimmee. Specific recommendations will be provided for the interface between the new trail facilities planned for NeoCity trails and the existing trail segment along the south side of Neptune Road east of Kissimmee.

City of Orlando, Main Streets Bicycle and Pedestrian Study

Orlando, FL

Deputy Project Manager. Matt worked with the City of Orlando to identify and evaluate opportunities to improve the safety and comfort of walking and bicycling in the Mills 50 and Milk Main Street Districts. The study defines future bicycle and pedestrian projects along with their implementation strategies. Enhancing the bicycle and pedestrian



environment within the Main Street Districts will better connect the Districts to the surrounding neighborhoods, enriching the quality of life in Orlando.

City of Orange City, Trail Plan

Orange City, FL

Transportation Engineer. As part a Continuing Transportation Planning & Engineering Services contract with the City of Orange City, HDR was selected to provide identification, compilation, and mapping of existing, programmed, and planned trail network and connectors within City boundaries, as well as connections to existing and proposed facilities in adjacent jurisdictions. Task 2 of this project included establishing criteria for prioritizing, scoring and ranking trail projects. HDR was tasked with developing a list of specific individual trail projects/corridors (i.e., segmentation) for evaluation based on the trail network assessment in Task 1 and coordination with the City.

City of Orange City, South Holly Avenue Streetscape & Urban Design

Orange City, FL

Transportation Engineer. As part a Continuing Transportation Planning & Engineering Services contract with the City of Orange City, HDR provided streetscape improvements to revitalize the downtown core of Orange City through landscape, hardscape, furnishing, wayfinding, and lighting design upgrades along historic Holly Avenue.

Orange County, Complete Streets

Orange County, FL

This project is part of a Continuing Services contract with Orange County. The Orange County Complete Streets Policy and Implementation Plan establishes a transportation planning process which considers all roadway users in all roadway decisions. The framework provided through the Policy will consider each road in its context and attempt to add design features to address accessibility, safety, and community vibrancy. A policy will result from this project, which encourages Orange County officials and leadership to integrate Complete Streets into transportation planning decisions and regularly evaluate fiscal impacts as well as impacts to the overall community.



Aubyn Bell, AICP

Sociocultural Effects

Aubyn is an environmental planner and Geographic Information Systems (GIS) specialist. As an environmental planner, she is responsible for preparing environmental documents in compliance with the National Environmental Policy Act (NEPA) and FDOT Project Development and Environment (PD&E) Manual; managing NEPA-related projects, reviewing studies and regulations, and preparing technical reports. As a GIS specialist, Aubyn's role is to assist the development of projects by conducting in-depth analysis, constructing databases, and preparing presentation graphics.

EDUCATION

B.A., Economics, University of North Florida, 2007

REGISTRATIONS

AICP - American Institute of Certified Planners,
No. 027033

RELEVANT EXPERIENCE

FDOT District 5, Black Bear and North Lake Phase 3 Trail Corridor Studies

Marion, Lake and Volusia Counties, FL

Planner/Document Author. FDOT District 5 conducted two Corridor Planning Studies to assess alternative alignments for two multi-use trails known as Black Bear and North Lake Phase 3. Aubyn assisted in preparing the Corridor Planning Study Technical Memoranda and in preparing technical memoranda documenting the ability of the projects to meet the criteria for a Type I CE.

FDOT District 4, I-95 at Broward Boulevard PD&E Study

Broward County, FL

Planner/Document Author. FDOT District 4 conducted a PD&E Study to improve system linkage, traffic operations, and multimodal connectivity at this interchange. Aubyn assisted in preparing the Type II Categorical Exclusion and Sociocultural Effects Evaluation Report for this project.

FDOT District 4, Districtwide PD&E/ETDM Support Services

Districtwide, FL

Task Lead. HDR provides professional engineering and environmental NEPA support services to District 4's project development and environment (PD&E) section with this continuing service contract. HDR performs a wide range of services including research and technical assistance supporting FDOT in obtaining federal NEPA approval for projects under jurisdiction of lead agencies FHWA, FTA, and/or FRA in compliance with the FDOT PD&E manual. Assignments also include planning and environmental linkage reports for scoping upcoming PD&E projects with consideration of early transportation planning, data collection, and environmental activities; concept development reports



including preliminary traffic analysis, engineering, cost estimates, and identification of environmental or other evaluations for candidate projects, as well as multi-disciplinary support for PD&E program streamlining and process management improvements. Aubyn worked on the EDTM screenings and coordinated with the subconsultants.

FDOT Turnpike, I-75 Alternate Corridor Study

Marion and Citrus Counties, FL

Planner/Document Author. Aubyn was a primary researcher and author for the study involving 60 miles of potential new highway corridor. Aubyn's primary responsibilities were environmental analysis, documentation, and authoring the purpose and need.

FDOT District 2, St. Johns River Crossing PD&E Study

Clay and St. Johns County, FL

Planner/GIS Analyst. The River Crossing PD&E Study evaluated corridor alignment alternatives for a future new highway corridor and major river crossing connecting Clay and St. Johns Counties in northeast Florida. Aubyn assisted in GIS analysis, hosting public meetings, stakeholder engagement, and authoring the environmental impact statement and other technical memoranda.

FDOT District 3, Brooks Bridge Replacement PD&E Study

Okaloosa, FL

Planner. FDOT District 3 prepared an Environmental Assessment for replacing the Brooks Bridge in Okaloosa County. Aubyn assisted with technical analysis and review of the EA.

FDOT District 3, Brooks Bridge Alternate Corridor Study

Okaloosa, FL

Planner. This study involved the preparation of an Alternative Corridor Evaluation for a second bridge connecting Okaloosa Island to Fort Walton Beach. Aubyn assisted with technical analysis, GIS, and public involvement.

FDOT District 2, Northeast Florida Freight Movement Study

Districtwide, FL

Planner. The Northeast Florida Freight Movement Study involved evaluating existing conditions of the northeast Florida freight system, extensive stakeholder coordination (public and private organizations for all modes of freight), commodity flow analysis, needs assessment, and project prioritization. Aubyn served as the lead for stakeholder coordination and played a large role in the existing conditions, needs assessment and project prioritization.



Victor Muchuruza, PhD, PE, PTOE

NEPA Documentation

Victor has progressive knowledge and 20 years of experience in project management, transportation engineering principles and practices for planning, environment impact analysis, designing and operation of transport infrastructure systems. He understands the project development process, policies, guidelines and regulations related to transportation planning; environmental review process, roadway design; safety analysis; and traffic operations. Throughout his career, Victor has produced or reviewed various documents that are prepared to support planning, PD&E studies, design, construction contract plans; and specifications for various federal, state, and local projects.

EDUCATION

PhD, Civil Engineering, Florida State University, 2006

M.S., Civil Engineering (Transportation), Florida State University, 2003

B.S., Civil Engineering, University of Dar Es Salaam, 2001

REGISTRATIONS

Professional Engineer, Florida, No. 69194

Professional Traffic Operations Engineer, Florida, No. 2787

**Experience outside of HDR*

RELEVANT EXPERIENCE

FDOT Central Office, Coast to Coast Trail Crossings Traffic Control Assessment

Various Counties, FL

Project Manager. HDR is conducting a planning level assessment of both on- and off-system traffic control at intersections along the existing contiguous Coast to Coast (C2C) Trail. The Task Work Order objectives are to collect data and conduct field assessments of the intersecting facilities in the study area to document and analyze site specific conditions and provide trail managers and decision makers with recommendations to improve traffic control strategies at trail/roadway.

Florida's Turnpike Enterprise, Northern Turnpike Extension Owner's Representative

Marion/Sumter/Citrus/Levy Counties, FL

Task Force and Technical Support. HDR is serving as Owner's Representative to Florida's Turnpike Enterprise for the Northern Turnpike Extension (NTE). The NTE will extend Florida's Turnpike (SR 91) from its current terminus at Wildwood in Sumter County to the Suncoast Parkway, approximately 40 miles. As Owner's Rep, HDR is performing Program Management, Task Force Support, Public Involvement, Planning and Corridor Analysis, PD&E Consultant Management, Data Collection & Analysis and GIS Services.

FDOT Central Office, State Environmental Development Engineer*

Statewide, FL

Victor was responsible for establishing policies, procedures and guidelines related to project development, preliminary engineering, and Project Development and Environment (PD&E) studies. He was also



responsible for reviewing of PD&E projects in Florida that require approval of National Environmental Policy Act (NEPA) and management of two General Support Contracts.

FDOT Central Office, Systems Planning General Planning Consultant*

Tallahassee, FL

Project Manager/Transportation Engineer for an on-call contract with Systems Planning Office. Responsibilities included managing and developing task work orders; developing policies and procedures related to managed lanes, interchange access requests (IARs), traffic analysis, corridor studies and access management; developing and conducting training to FDOT staff and consultants. Reviewed interchange justification/modification reports and provided recommendation for their approval. Authored the 2014 Traffic Analysis Handbook, co-authored the 2013 Interchange Access User Guide and provided training to district staff and consultants.

9th & Langley PD&E Study*

Escambia County, FL

Project Engineer and Production Lead for a PD&E study for intersection reconfiguration of 9th Avenue intersections with Langley Avenue to address current and future safety and traffic operational problems. Responsibilities included development of project alternatives, preparation of preliminary engineering report, review of design traffic and environmental documents.

Pinestead-Longleaf PD&E Study*

Escambia County, FL

Production Lead for engineering services of project development and environment study for Pinestead-Longleaf Corridor. Responsible for leading development of alternatives evaluation, design traffic and typical sections, access management, intersection analysis, drainage analysis, and public involvement.

FDOT District 3, Thomas Drive (Stage II)*

Bay County, FL

Project Engineer for final design services for Thomas Drive interchange. Responsible for roadway design, plans preparation, maintenance of traffic, and specifications development for Phase II design of Thomas Drive interchange at SR 30.



FLORIDA BRIDGE AND TRANSPORTATION, INC.



MICHAEL L. HEBERT, P.E.

Structures

EXPERIENCE PROFILE

Michael's 29 years of experience as a project manager and project engineer have included all phases of transportation and bridge projects including approximately 7 ½ years representing the Florida Department of Transportation as a knowledgeable owner in both District 5 and Florida's Turnpike Enterprise. His bridge design experience includes pedestrian bridges (steel, concrete and wood), widenings and replacements of continuous steel girder bridges, cast-in-place flat slab bridges, precast double-tee and precast flat slab bridges with transverse post-tensioning, prestressed girder bridges, and various bridge load ratings. Construction assignments have included project management of post design services, structural field inspections, shop drawing review, and design support during construction of bridge projects. Other assignments have included retaining wall design (both temporary and permanent), bridge barrier rail replacements, soil anchored sheet pile wall design, box culvert design, drainage structure design, mast arm design, strain pole design, monotube signal design and sign structure design. Michael has served as Engineer of Record or Project Engineer for the design of over 60 bridge sites for the FDOT, Expressway Authorities and various public agencies.

REPRESENTATIVE PROJECTS

South Lake Trail Phase IV, Lake County, FL – FBT provided structural designs for five pedestrian bridges. The signature pedestrian bridge site includes a 142' span over SR 50 with Florida I-Beams. The total bridge length was 505' including the approach spans with ADA ramps. The project includes two cattle crossings with one being a 9-span 273.5' long flat slab concrete bridge and the other is a single span 29' long flat slab bridge. FBT also designed a tunnel/underpass beneath CR 33 that was 90' long with an 8.5' vertical clearance and a 14' wide horizontal clearance. The underpass system is a concrete 4 sided box culvert system. The fifth structure is a radial 108.5' long concrete continuous flat slab bridge founded on pile supports over a wetland area. Mr. Hebert served as the Structures QA-QC officer for all five bridges.

Tri-County Trail Along Keystone Road (CR 582), Pinellas County, Florida (2016) – FBT designed 1,725 LF of CIP retaining wall and the extension of an 8'x3' concrete box culvert for this design-build trail project for FDOT D-7. Mike served as the Senior Structures Engineer.

Marion Way Boardwalk, City of Maitland, Florida (2016) – This project involved the design of an 8' wide by 200' long ramp timber boardwalk west of the City of Maitland's Commuter Rail Station. With the exception of the decking, which was designed to be of composite material, all other elements of the boardwalk were designed utilizing timber. Mr. Hebert was the Structural Engineer of Record for this project.

South Brevard Malabar Trail, Brevard County Public Works, Florida (2012) – This 240 LF Timber Boardwalk was designed for the Al Tuttle Trail Improvement Project in Brevard County. The elevated boardwalk is 8-ft wide face of rail to face of rail, is constructed from all pressure treated wood and stainless steel accessories. Mr. Hebert was the Structures Engineer of Record responsible for the design of the boardwalk which was designed in accordance with AASHTO's Guide Specification for Design of Ped Bridges.

US 41 Pedestrian Bridges over Myakkahatchee Creek, Sarasota County, Florida (2016) – FBT performed an Independent Peer Review of both proposed pedestrian bridges for FDOT District 1. The project includes extensive utility coordination since one bridge will be constructed under overhead transmission lines. One bridge is 179.5' long with two spans and the other bridge

is 239.0' long with three spans. Both bridges have observation outlook platforms with aesthetic railings and custom light poles. Mr. Hebert served as the Senior Structures Engineer.

Mt Dora Palm Island Boardwalk, FL (2012) – Mr. Hebert provided QA/QC duties to check the redesign and detailing of over 1,000 LF of timber boardwalk as part of a contractor-proposed cost savings. The substitutions included IPE decking and rails for increased durability plus changing the pile caps. The project included 16'x16' covered observation areas and seating areas.

SR 37 over Alafia River, Polk County, Florida (2014) – On this FDOT D-1 bridge replacement project, FBT was responsible for the design of the bridges consisting of 4 spans over the North Fork of the Alafia River. The bridges are 255 foot long utilizing FIB 36 girders with pile bents supported on 18" prestressed concrete piling. Due to poor soils at the site, the project included innovative ground modification techniques. Mr. Hebert served as the Structures EOR for this project. The construction cost for the project was \$5,688,000.

CR 245 Over Olustee Creek, FDOT District Two, Union/Columbia County, Florida (2011) – Mr. Hebert served as the overall project manager and bridge engineer of record for this Design Build bridge replacement project with Leware Construction Company. The project consists of 6 spans over Olustee Creek in Columbia County, Florida. His responsibilities included design of FIB-36 prestressed girders, geometry, slabs, Load Rating and bent designs along with the analysis of temporary bridge and crane lifts. Quality Assurance checks and plans preparation for all phases of design were also performed. The bridge is a 90 degree 450 foot long structure with use of FIB 36 girders founded on 24" prestressed concrete piling.

Cross Seminole Trail at SR 434, Seminole County, Florida – Mr. Hebert served as the Design Coordinator during the construction phase of the design build project. The total project cost was \$3.3 million and the construction was completed in April 2005. This pedestrian bridge project was for Seminole County.

Dinklyline Trail Bridge over South Lake Formosa, City of Orlando, Florida - This project was a design that consisted of precast double tee beams with a concrete overlay and rolled weathering steel beams. The foundations ranged from mini-auger cast piles to driven steel H piles. Mr. Hebert served as the overall project manager and the Structural Engineer of Record while also designing the precast double tees, the rolled steel beams, railing, and the foundations.

Pedestrian Bridge over Southside Boulevard, Duval County, Florida – This 200 LF hollow structural steel Pratt truss bridge was designed as a safety improvement near an elementary school on Ivey Lane in Jacksonville. The project was constructed on drilled shafts in order to reduce vibration impacts to adjacent houses and to minimize utility impacts. The project included ADA compliant approach ramps, signalization with strain poles, retaining walls, right of way maps, and landscape plans. The project was designed for FDOT District 2. Mr. Hebert was the overall project manager and lead Structures Project Engineer responsible for the design of the Pratt truss (composed of HSS members), ADA compliant approach ramps, deck slab on the truss, piers, retaining walls, ADA compliant railing, and steel strain poles.

SR 91 over CR 561 Emergency Repairs Design Build, Florida's Turnpike Enterprise, Lake County, Florida – On this Emergency Fast Track project, Mr. Hebert served as Quality Control engineer for the design of the superstructure replacement. This bridge sustained extensive fire damage to the center span superstructure. He was responsible the QC of design of slabs, bearings, details and independent design of prestressed AASHTO beams. Mr. Hebert also coordinated with the contractor Cone and Graham, Turnpike Enterprise and various fabricators and sub consultants to collaboratively have the bridge open to traffic in a staggering 10 days from notice to proceed. This was 1 week ahead of schedule.

Hoagland Blvd. Over Shingle Creek, Osceola County, Florida – Mr. Hebert served as the bridge Engineer of Record for the design of each substructure and superstructure component as well as load rating of this bridge replacement. The bridge is a 126'-0" long, 6-span cast-in-place flat slab on pile bent supports over Shingle Creek. He was also in charge of plans production for each phase of design.

EDUCATION

BSCE, University of Central Florida, 1992

PROFESSIONAL REGISTRATION

Registered Professional Engineer - Florida #50596



FLORIDA BRIDGE AND TRANSPORTATION, INC.



JUAN VALENZUELA, P.E.

Structures

EXPERIENCE PROFILE

Juan has over 19 years of experience as a Structures Engineer which is exclusive to the state of Florida. Juan currently serves as a Director of Engineering for Florida Bridge and Transportation, Inc. and is responsible for the design, analysis and checking of a wide variety of transportation structures. He possesses strong design knowledge of foundation, substructure and superstructure components for new bridges, bridge widenings, bridge replacements and pedestrian bridges. He has participated in numerous miscellaneous structure design assignments including streetscape, ITS structures, mast arm and strain pole signal structures, overhead sign structures, box culverts, steel sheet pile walls and concrete retaining walls. Juan has also been involved in the supervision and management of staff engineers and technicians on multiple projects. He has had extensive involvement in the design, development, load rating and detailing of a wide variety of major and minor prestressed beam bridges, steel plate girder and box girder bridges along with various Cost Saving Initiative (CSI) projects on a wide variety of designs.

REPRESENTATIVE PROJECTS

South Lake Trail Phase IV, Lake County, FL – FBT provided structural designs for five pedestrian bridges. The signature pedestrian bridge site includes a 142' span over SR 50 with Florida I-Beams. The total bridge length was 505' including the approach spans with ADA ramps. The project includes two cattle crossings with one being a 9-span 273.5' long flat slab concrete bridge and the other is a single span 29' long flat slab bridge. FBT also designed a tunnel/underpass beneath CR 33 that was 90' long with an 8.5' vertical clearance and a 14' wide horizontal clearance. The underpass system is a concrete 4 sided box culvert system. The fifth structure is a radial 108.5' long concrete continuous flat slab bridge founded on pile supports over a wetland area. Juan served as the Structures Engineer of Record for all five bridges.

Starkey Gap Trail, Pasco County, Florida – Mr. Valenzuela served as the Structures EOR and designed the two pedestrian water crossings for this project. During the planning stage several bridge types were compared, and bridge culverts were selected due to profile concerns under the power lines and for speed of construction. One culvert will be a 5 cell 10'x4' box culvert and the other culvert will be a 3 cell 10'x4' box culvert. The culverts were designed to support 100,000 pounds per the Duke Energy requirements for shared use paths/trails within their R/W.

Tri-County Trail Along Keystone Road (CR 582), Pinellas County, Florida – FBT designed 1,725 LF of CIP retaining wall and the extension of an 8'x3' concrete box culvert for this design-build trail project for FDOT D-7. Juan served as the Structures Engineer of Record.

Mt Dora Palm Island Boardwalk, FL – Mr. Valenzuela worked with the contractor to redesign and detail over 1,000 LF of timber boardwalk. The design included IPE decking and rails for increased durability plus changing the pile caps. The project included 16'x16' covered observation areas and seating areas.

Bus Stop Shelter Designs for LYNX, City of Winter Park and Other Various Clients – Mr. Valenzuela was responsible for implementing the latest structural code changes for the 2010 Florida Building Code and incorporating the wind load provisions from ASCE 7-10 to the design of the 6x9, 6x13, 10x10 and the 15x15 bus shelters. He designed the foundation of the 6x13 shelter to minimize right of way requirements and allow the shelter to fit sites with a smaller overall footprint.

US 41 Pedestrian Bridges over Myakkahatchee Creek, Sarasota County, Florida – FBT performed an Independent Peer Review of both proposed pedestrian bridges for FDOT District 1. The bridges consist of FIB-36 beams on pile bents which will be constructed next to the existing vehicular bridges over the creek. The project includes extensive utility coordination since one

bridge will be constructed under overhead transmission lines. One bridge is 179.5' long with two spans and the other bridge is 239.0' long with three spans. Both bridges have observation outlook platforms with aesthetic railings and custom light poles. Mr. Valenzuela directed the design of the independent calculations and provided the review comments.

SR 60 Pedestrian Bridge over Tampa Bay, Hillsborough County, Florida – Mr. Valenzuela provided the review of the vessel collision calculations and designed the superstructure. He designed the superstructure for this 3,256' long pedestrian bridge which is adjacent to the SR 60 Causeway over Tampa Bay as part of a proposal for a design-build project. Mr. Valenzuela designed the FIBs and the deck (3 span units at 390' overall each unit) for the bridge including vibration calculations, thermal movement calculations, and finite element modeling of the thin deck. He also designed the superstructure for the weight of a special snooper truck for inspections and maintenance. The main channel minimum clearances were 75' wide by 45' high.

SR 37 over Alafia River, Polk County, Florida – On this FDOT D-1 bridge replacement project, FBT was responsible for the design of the bridges consisting of 4 spans over the North Fork of the Alafia River. The bridges are 255 foot long utilizing FIB 36 girders with pile bents supported on 18" prestressed concrete piling. Due to poor soils at the site, the project included innovative ground modification techniques. Mr. Valenzuela served as the Structures Engineer for this project. The construction cost for the project was \$5,688,000.

US 41 and SR 72 Intersection Improvement Projects, FDOT District One, Sarasota County – Mr. Valenzuela served as Structures Engineer on this Design Build project with Cone & Graham. He was responsible for the design of mast arms, overhead cantilever signs and an unsymmetrical single post ground mounted sign.

US 301 From Myrtle Street to Desoto Road, Sarasota County, Florida – Mr. Valenzuela served as project engineer on this design build project. He was responsible for the design of box culvert extensions, mast arms and multi-post signs as well as plans production.

I-4 / SR 46 Interchange Improvements, Seminole County, Florida – This project included the design of two long span DMS sign trusses over I-4 for FDOT D-5. The trusses were analyzed for fatigue loads and required separate 3-D modeling for the full wind case and the fatigue design cases. The project also included the design of catwalks and hanging the signs from the back trichord. Mr. Valenzuela served as SR Project Engineer and performed the design.

Lakeland In Town Bypass over CSXT Railroad Tracks Redesign, FDOT District One, Polk County, Florida – Mr. Valenzuela was the design engineer responsible for design checking of each substructure and superstructure component of the **highly skewed (54 degree)** Lakeland In-Town Bypass Bridge. The bridge is a 154'-0" simple span FL Bulb-T 78" girder bridge on pile bent supports over CSXT railroad tracks. He was also in charge of plans production and quality assurance checking for each phase of design. This bridge was the concrete redesign of the original steel girder bridge. Deck reinforcing and substructure loads were designed as influenced by the skew.

I-10 Resurfacing - Holmes County, Florida - This project included 5 bridge sites. The scope of work for the bridges was to analyze the existing approach slabs and recommend remediation as necessary (replacement or slab-jacking). In addition, guardrail connections on the approach ends of the bridge were upgraded to the current three-beam standard. Juan served as the project engineer of the structural component.

Broward County Resurfacing on Florida's Turnpike, Broward & Miami Dade County – This project consisted of resurfacing a section of the mainline of the Turnpike. This project included the design of expansion joint replacement details at the Turnpike bridges over the C-14 Canal, and load ratings of the bridges over the C-14 Canal and Hillsborough Canal. Mr. Valenzuela served as the project engineer for this project.

Indian River Resurfacing on Florida's Turnpike, Indian River County, Florida – This project consisted of resurfacing the mainline of the Turnpike in Indian River County. The project included the design of box culvert repair details for four box culverts. In addition, expansion joint details were prepared for this project. Mr. Valenzuela served as the project engineer for this project.

EDUCATION

BS, Civil Engineering, West Virginia University, 2001

MS, Structural Engineering, Virginia Polytechnic Institute and State University, 2003

PROFESSIONAL REGISTRATION

Registered Professional Engineer - Florida #68208

PROFESSIONAL SOCIETIES

American Society of Civil Engineers

Structural Engineering Institute (SEI), Past Director of Central Florida Chapter



Sandra Scheda

Environmental Analysis – Team Leader

As a scientist for more than 35 years, Ms. Scheda has extensive experience in managing and conducting environmental planning projects, biological assessments and related studies and permitting. These efforts have typically involved development of NEPA documentation, wetland delineation, mitigation design, surface and groundwater quality studies, and permitting. Her permitting experience includes projects requiring wetland impact permits, bridge permits, and sovereign submerged land easements. Ms. Scheda has extensive experience on transportation projects, focusing on environmental data collection and analysis, development and evaluation of project alternatives, impact assessment, and compiling required environmental documents and permit applications. She is also well-versed in transportation construction designing erosion control, implementing water quality monitoring and protected species protections/monitoring and watch programs, obtaining permit modifications, and conducting regulatory agency liaison. She has permitted and led compliance monitoring efforts for several design-build projects.

EDUCATION

M.S., Zoology
B.A., Geology
B.A., Biology, University
of South Florida

35 Years of Experience

CERTIFICATIONS/ REGISTRATION

FDOT PD&E Manual
Process Training
FDOT Water Quality
Impacts Evaluation
FDEP Wetland
Delineation Certification
NAUI Open Water
Certification, #455509
FDOT Environmental
Management Office,
NEPA Training
Mutual Gains
Negotiation, FDOT
Construction Contract
Interpretation, FDOT
FDOT Water Quality
Impact Evaluation,
Certification #139
PD&E Training, FDOT
CSX Roadway Worker
Protection Contractor
Safety
Uniform Mitigation
Assessment
Methodology, FDEP
FDEP Wetland
Delineation and SHGW
Certification

Relevant Experience

SR 50 from West of CR 757 to the Sumter/Lake County Line (FDOT D5, Ongoing).

Environmental Project Manager. Ms. Scheda is currently managing the environmental activities for this widening from 2 to 4 lanes. Environmental tasks have included wetland and surface water delineations and functional assessments, listed species surveys (species-specific surveys for gopher tortoises and sand skinks), and State/Federal permitting. Other project environmental concerns have included coordination with and potential for impacts within the Withlacoochee State Forest (WSF), related mitigation, 'Plan B' wetland mitigation planning, survey for protected plants species and planning for their relocation, and support to the landscape architect related to grand or unique trees located near the project footprint.

Orlando South Ultimate Interchange PD&E at SR 91 and SR 528, Orange County, FL (Florida's Turnpike Enterprise).

This PD&E Study evaluated alternatives to optimize interchange operations at the Florida's Turnpike (SR 91) and the Beachline Expressway (SR 528). Ms. Scheda provided environmental project management, senior project oversight, and quality assurance review for the Natural Resource Evaluation.

SR 7 Corridor Extension PD&E Study, Palm Beach County, FL (FDOT D4).

Ms. Scheda managed ESA's efforts for this PD&E study including data collection, impact analysis and documentation regarding wetlands/mitigation alternatives, protected species, water quality and contamination. The project involved a 4-mile extension of SR 7 roadway and shared use path and resulted in impacts to over 50 acres of wetlands and habitat for the federally endangered Everglade snail kite. She completed all agency liaison, and environmental project documents including the Wetland Evaluation Report, Endangered Species Biological Assessment and Contamination Screening Evaluation. In addition, she supported the compilation of the project's EA/FONSI, and the issuance of the USFWS Biological Opinion.

Wekiva Parkway over the Wekiva River, Section 6 Design-Build, Lake and Seminole Counties, FL (FDOT D5).

Quality Assurance for Permitting and Protected Species Surveys-Relocations. Ms. Scheda supported this project during the procurement and permitting phases with senior level review and guidance for all environmental issues and permit application modifications. Environmental issues included the crossing the environmentally sensitive Wekiva River, development of mitigation solutions, state forest lands, maintenance of wildlife movements during construction of the wildlife crossing bridge(s), revegetation plans for the wildlife crossings, and gopher tortoise relocations.

Wekiva Parkway Sections 4A/4B Design-Build, Orange and Lake Counties, FL (FDOT D5).

Quality Assurance for Protected Species Surveys-Relocations. Ms. Scheda supported this project during the procurement and initial construction phases with senior level review and guidance for all protected species issues and related activities. Project scope included assistance to the design team with preconstruction gopher tortoise and burrowing owl surveys, preparation of permit applications, and relocation activities. In addition, migratory bird nest removal permit applications were obtained.

Orlando South Ultimate Interchange PD&E at SR 91 and SR 528, Orange County, FL (Florida's Turnpike Enterprise). This PD&E Study evaluated alternatives to optimize interchange operations at the Florida's Turnpike (SR 91) and the Beachline Expressway (SR 528). Ms. Scheda provided environmental project management, senior project oversight, and quality assurance review for the Natural Resource Evaluation.

I-4 Ultimate Design-Build-Finance, Osceola, Orange and Seminole Counties, FL (SGL). *Quality Assurance for As-Needed Protected Species Surveys-Relocations.* Ms. Scheda supported this design-build project with senior level review for all protected species related issues. During construction the ESA team provided as-needed protected species support, with the majority of our efforts focused on gopher tortoise surveys, permitting and relocation.

Magnolia Avenue PD&E Study, Marion County, FL. (FDOT D5). *Quality Assurance Manager.* For this road widening in the City of Ocala, Ms. Scheda was the Quality Assurance Manager in charge of oversight of the field investigations quality control review of environmental documents for the project.

CR 510 PD&E Study, Indian River County, FL (FDOT D4). *Environmental Project Manager.* This project involved an impact analysis and study of design alternatives for the widening of 6 miles of CR 510 from 2 to 4 lanes. Environmental concerns included EFH, contamination sites, and conservation land (Indian River Lagoon and Wabasso Scrub Conservation Area). Ms. Scheda coordinated and conducted all field surveys for wetlands evaluation, and contamination screening and prepared the related PD&E documents. In addition, she provided quality assurance review of the protected species documentation and compiled the Type II Categorical Exclusion support document.

Able Canal Pathway from Harns Marsh to Joel Boulevard (CR 884) PD&E Study, Lee County, FL (FDOT D1). This project examined alternatives for incorporating a 6-mile trail within Able Canal right-of-way in eastern Lee County. Ms. Scheda was responsible for the Water Quality Impact Evaluation and Natural Resources Evaluation for the project.

US 331 PD&E Study, from I-10 to the Alabama State Line, Walton County, FL (FDOT D3). Ms. Scheda supported the development of draft documents for this 25-mile project including the quality assurance reviews for the Natural Resource Evaluation and TSM&O Alternative Technical Memorandum.

SR 80 PD&E Study from LaBelle to US 27, Hendry County, FL (FDOT D1). This project involved an impact analysis and study of design alternatives for the widening of 20 miles of SR 80 from 2 to 4 lanes. Also included was a corridor study element that evaluated placing SR 80 on a new alignment from west of Everhigh Acres Road to US 27. Environmental concerns included the presence of the Audubon's crested caracara, bald eagle, Florida scrub jay, and Florida panther. Ms. Scheda conducted field surveys for protected wildlife and plants, evaluated existing habitats and land use, completed the farmlands assessment along with environmental assessments of pond sites, and conducted all agency coordination. Related PD&E documents were prepared (Endangered Species Biological Assessment, Water Quality Impact Evaluation, and Farmlands Assessment).



Tori Kuba

Natural Resources Evaluation

EDUCATION

B.S. Biology, University of South Florida

15 YEARS EXPERIENCE

CERTIFICATIONS/REGISTRATION

[FDEP Qualified Stormwater Management Inspector, #10513, 2005 SWFWMD WAP certified, 2009-present

FWC Python Patrol Training

FWC Authorized Gopher Tortoise Agent, 2011-present

Mine Safety and Health Administration (MSHA) 2009-2012

FWC Shorebird Monitor

PROFESSIONAL AFFILIATIONS

Ecological Society of America

AREAS OF SPECIALIZATION

Wetland Delineation

Habitat Assessment

Regulatory Permitting

Mitigation Design

Mitigation Compliance

Wildlife Ecology

Construction Oversight

NPDES Inspection

Ms. Kuba's education and professional experience have provided her a solid background in ecology and environmental planning and permitting in Florida. Specifically, she has been involved in habitat assessments, wetland monitoring, water quality inspections, listed species assessments, biological resource inventories, wetland delineation, and ecological site assessments. Additionally, Ms. Kuba has been involved in the PD&E evaluation and environmental permitting of several projects for FDOT District One, and within the district boundary for local governments.

Relevant Experience

I-4 Beyond the Ultimate Segment 5 PD&E Study, Polk County, FL (FDOT D5) Field Scientist. This project was a task work order assignment under an FDOT D1 DEMO District-Wide Contract, at the request of FDOT D5. To determine sand skink and blue-tail mole skink presence/absence for this roadway widening project, a cover board survey of approximately 3,600 boards covering 90 acres of potentially suitable habitat was conducted. Ms. Kuba participated in all stages of field work including cover board preparation and installation, checking for tracks, and retrieval.

Orlando South Ultimate Interchange PD&E at SR 91 and SR 528, Orange County, FL (Florida's Turnpike). *Deputy Project Manager.* This PD&E Study is to evaluate alternative improvements to optimize the interchange operations at the Florida's Turnpike (SR 91) and the Beachline Expressway (SR 528). Environmental tasks include field verification of habitats and wetlands, wetland assessments, general species surveys, and preparation of a NRE. As part of this PD&E project, Ms. Kuba has conducted protected species surveys, wetland and other habitat mapping along the corridor to assist with preparation of the NRE.

Central Polk Parkway PD&E Study from US 17/92 to I-4, Polk County, FL (FDOT D1) Field Scientist. This PD&E study involved new alignments and roadway improvements. In late 2015, FDOT stopped/canceled the project. Environmental tasks included field verification of habitats and wetlands, general species surveys, and preparation of an ESBA. Prior to cancelation of the project, Ms. Kuba conducted protected species surveys, wetland and other habitat mapping within and adjacent to the proposed roadway alternatives. Listed species surveys focused on the gopher tortoise, Florida scrub-jay, sand skink, Audubon's crested caracara, Sherman's fox squirrel, bald eagle, Florida sandhill crane, southeastern American kestrel, burrowing owl, and wood stork. Ms. Kuba started preparation of an ESBA documenting the research, analysis, and determinations and recommendations.

SR 514 intersections at Corey Road and Weber Road, Brevard County, FL. (FDOT D5) Scientist. This RRR project includes preservation and extension of the life of the existing pavement through milling and resurfacing and the additional of

a turn lane. This project also includes correction of any drainage issues. Ms. Kuba conducted delineations of wetlands and surface waters along SR 514 and listed species surveys. Target species included gopher tortoises and Florida scrub-jays. Ms. Kuba assembled the supporting permit application information for state and federal permits.

Natural Disaster Monitoring/CEI, Hurricane Matthew, Flagler County, FL (FDOT D5) Ecologist. Ms. Kuba was part of a team of ESA ecologists that provided daily environmental monitoring efforts as part of the CEI teams that were overseeing emergency repair of AIA in several areas of Flagler County. During the emergency reconstruction, ESA ecologists monitored for protected species, with special attention to sea turtle activity along the beaches. In addition, she is leading the data collection and field review efforts for completion of the NEPA DDIR checklists for several repair projects in Flagler, Volusia and Brevard County; this effort is required for federal funding applications.

Good Neighbor Trail Extension, Pasco County, FL (Hernando/Citrus MPO) Scientist. As part of the development of the Florida Coast to Coast Trail this corridor study is to identify a preferred alignment to connect the Suncoast Trail and the Good Neighbor Trail within the City of Brooksville. Specifically, this project is to determine the preferred alignment to close the gap between the Suncoast terminus at Cobb Road and the Good Neighbor Trail terminus at Russell Street to create a statewide regional Coast-to-Coast Connector. Ms. Kuba conducted the analysis for potential impacts to threatened and endangered species and wetlands associated with developing the preferred trail alternative. Additionally, she verified habitats along all alternatives.

CR 846 (Immokalee Rd) at Randall Blvd PD&E Study, Collier County, FL (FDOT D1) Project Manager. This PD&E Study examines three interchange alternatives at the existing CR 846 and Randall Boulevard interchange. Environmental tasks include field verification of habitats and wetlands, wetland assessments, general species surveys, acoustic surveys for Florida bonneted bat, and preparation of a Natural Resource Evaluation (NRE). As part of this PD&E project, Ms. Kuba has conducted protected species surveys, wetland and other habitat mapping along the corridor and proposed stormwater management facilities and assisted with the preparation of the draft NRE.

US 98 PD&E Study from US 27 to East of Airport Road, Highlands County, FL (FDOT D1) Scientist. This PD&E Study involved the proposed widening of the existing US 98 facility. Environmental tasks include the necessary research and analysis to prepare pond siting documentation and ESBA and WER documents. Ms. Kuba assisted with preparation of the WER documentation as well as field efforts for surveying for the sand skink and Florida scrub-jay.

SR 33 PD&E Study from East of Old Combee Road to East of Tomkow Road, Polk County, FL (FDOT D1) Field Scientist. This PD&E Study examined alternatives to widening the existing SR 33 roadway from 2 to 4 lanes. Environmental tasks included field verification of habitats and wetlands, wetland assessments, general species surveys, and preparation of a WER and ESBA. As part of this PD&E project, Ms. Kuba assisted with species-specific surveys for the sand skink and Florida scrub-jay, to assist with preparation of the ESBA document.

US 41 at Dr. Martin Luther King (MLK) Jr. Way and Myrtle Avenue PD&E Study, Sarasota County, FL (FDOT D1) Project Manager. This PD&E Study is to evaluate proposed intersection improvements to and between the intersections of US 41 at Dr. Martin Luther King (MLK) Jr. Way and Myrtle Street, in the City of Sarasota. Environmental tasks include field verification of habitats and wetlands, protected species surveys, and preparation of a NRE. As part of this PD&E project, Ms. Kuba has conducted protected species surveys, wetland and other habitat mapping along the corridor and prepared the NRE.

I-4 (SR 400) PD&E Study, from E. of US 41/SR 583 (50th Street) to W. of SR 570 (Polk Parkway), Hillsborough and Polk County, FL (FDOT D7) Biologist. This PD&E study involved a multi-lane improvement along I-4 for a distance of approximately 23.3 miles with the objective of determining the viability of implementing a managed lane concept. Environmental tasks included field verification of habitats and wetlands, wetland assessments, and preparation of a WEBAR. Ms. Kuba assisted with wetland and other habitat mapping along the corridor and proposed stormwater management facilities to assist with preparation of the wetland evaluation and biological assessment report.

DAVID PARKS

PUBLIC INVOLVEMENT



Education:

B.S. Hotel & Restaurant Management and Communications, Indiana University of Pennsylvania

Years of Experience:

22

SKILLS: Project Oversight - Public Involvement - Media Relations - Stakeholder Alliances - Crisis Communication - Event Planning and Implementation - Coordination with District Five Office

FDOT District Five I-4 Ultimate Public Information: David is currently serving as the senior public information officer for the I-4 Ultimate project in Orange and Seminole counties. Key tasks include meeting with FDOT and concessionaire personnel regularly to track progress and upcoming activities; and developing collateral material, news releases, newsletters and website content. He is the primary point of contact for the public and news media who have questions about the project. He works regularly with citizens, civic groups, business groups and government bodies to keep them updated about important project milestones.

David coordinates with contractors and design teams on the following interchanges along the I-4 Ultimate corridor:

- State Road 436
- Maitland Boulevard
- Ivanhoe Boulevard
- State Road 408
- Kirkman Road and Grand National Drive
- State Road 434

Additional public involvement duties include:

- Good Neighbor Outreach or door-to-door distribution of information
- Public meeting and special event support
- Engaging existing and new stakeholders

FDOT District One I-75 Interstate 30-Mile Widening Design/Build/Finance:

David provided public information services on FDOT's first and largest design/build/finance project, a \$469 million, 30-mile expansion of I-75 from Golden Gate interchange to Colonial Boulevard. The project received AASHTO's 2008 NTPAW Award for Print External Newsletter or Magazine.

FDOT District One Southwest Florida 511: David was the media spokesperson for FDOT District One on all issues related to Florida 511.



He was responsible for implementing the marketing campaign and hosting the public launch media event with the District Secretary.

Lee County Advanced Traffic Management System: David was the PIO for this design-build project that updated the Lee County Computer Signal System at 61 intersections along 45 miles of U.S. 41 from Bonita Springs to North Fort Myers. He provided website content; engaged in extensive face-to-face contact supported by intersection-specific handouts; and prepared press releases and responses to public inquiries.

I-75 Caloosahatchee Bridge Widening in Lee County: David was the PIO for this design-build project that added lanes to three bridges on I-75 between S.R. 80 and S.R. 78. He planned a kickoff meeting; prepared materials explaining bridge construction and noise walls; managed a program to offer education about manatees and smalltooth sawfish; and prepared press releases, website copy and responses to public inquiries.

I-75 Interstate Widening in Lee County: David provided public information services for the 6-mile widening of I-75 from south of S.R. 78/Bayshore Road to the Charlotte County line.

I-75 Interstate Widening/S.R. 80 Improvements in Lee County: David provided public information services for the 3-mile widening of I-75 from four to six lanes from S.R. 80/Palm Beach Boulevard to Lockett Road.

S.R. 80 Widening in Hendry County: David organized a kickoff meeting, which included a mass mailing to 4,600 residents, and provided press releases and responses to inquiries about this 2-mile project on S.R. 80 from C.R. 833 to east of U.S. 27.

AUSTIN VAUGHN

PUBLIC INVOLVEMENT



SKILLS: Project Oversight - Public Involvement - Community Relations - Coordination with Contractors - Media Relations - Content Development - Stakeholder Alliances - Coordination with District Five Office

FDOT District Five I-4 Beyond the Ultimate Public Information: As part of Global-5's I-4 Beyond the Ultimate public information team, Austin writes news releases, website content and newsletter articles about construction projects on the northern and southern ends of the I-4 corridor in Central Florida. He participates in contractor meetings as well as meetings with the public.

Education:

A.B. Journalism,
University of
Georgia

Years of Experience:

7

Austin coordinates with contractors and design teams on the following projects for I-4 Beyond the Ultimate:

- Saxon Boulevard improvements
- Repaving WB I-4 in Seminole County
- New auxiliary lane on EB I-4/Lake Mary Boulevard
- E.E. Williamson Road Bridge expansion
- ChampionsGate interchange improvements

Additional public involvement duties include:

- Good Neighbor Outreach or door-to-door distribution of information
- Public meeting and special event support
- Engaging existing and new stakeholders

FDOT District Five I-4 Ultimate Public Information: As part of Global-5's I-4 Ultimate public information team, Austin produced a variety of content, drafting website updates, handouts, press releases and social media posts to keep Central Floridians informed of roadway construction and detours. He also ventured out into the community to inform local residents how to stay up to date with I-4 construction and answer their questions about the project.

Austin coordinated with contractors and design teams on the following interchanges along the I-4 Ultimate corridor:

- State Road 436
- Maitland Boulevard
- Ivanhoe Boulevard
- State Road 408
- Kirkman Road and Grand National Drive
- State Road 434



Additional public involvement duties included:

- Good Neighbor Outreach or door-to-door distribution of information
- Public meeting and special event support
- Engaging existing and new stakeholders

Orange County Utilities: Austin served as public information officer for Orange County Utilities for a pair of force main upsizing projects in Winter Garden. He coordinated with the county, the construction team and local property managers and homeowners' associations to ensure all affected residents were aware of nighttime work in their neighborhoods and lane closures on their local streets. Austin was available by phone 24 hours a day to hear comments, questions and concerns from project area residents.

Additional public involvement duties included:

- Coordination with project construction teams
- Public engagement and information support

FDOT Central Office Safe Mobility for Life Coalition: Austin provided public information support for the Safe Mobility for Life Coalition (SMFL) projects. His tasks included database management as well as development of communication collateral such as newsletter articles and handouts. He also helped coordinate and implement SMFL public outreach events statewide.

Turner Sports: As one of four meticulously selected NCAA.com interns, Austin generated original content for NCAA Digital as well as curated content from the NCAA and other partners in Drupal, adding videos, images and other interactive content to create a better user experience and increase time on site. After a successful internship year that saw record year-over-year audience growth and his byline rack up more than 500,000 page views, Austin was offered an independent contractor position with Turner Sports to aid in their PGA coverage. Austin was the lead CMS producer for the brand-new RyderCup.com, which debuted for the 2016 event, and he was the primary social media manager for the PGA of America's social handles during his time at Turner.

CHRIS PATTON

PUBLIC INVOLVEMENT



Education:

B.S.
Communications,
University
of Tennessee

Years of Experience:

23

SKILLS: Project Oversight - Public Involvement - Media Relations - Stakeholder Alliances - Crisis Communication - Event Planning and Implementation - Coordination with District Five Office

FDOT District Five I-4 Beyond the Ultimate Public Information: As deputy public information officer and project manager for the I-4 Beyond the Ultimate project, Chris is responsible for the development of strategic messages, collateral material, direct mail pieces, news releases, newsletters and website content. He manages a variety of innovative initiatives and outreach efforts, including social media, a community awareness plan and advertising, to increase public awareness and understanding of the I-4 construction project. Chris also spearheaded the first-in-Florida hybrid virtual public meeting, which took place at ChampionsGate. Chris also developed and created content for a digital resource station to be housed at the District Five Regional Transportation Management Center. This kiosk includes interactive features and videos about RTMC programs and resources. Chris also created an award-winning outreach campaign to educate Floridians on how to drive through roundabouts, a new traffic pattern becoming more common in the state.

Chris coordinates with contractors and design teams on the following projects for I-4 Beyond the Ultimate:

- Saxon Boulevard improvements
- Repaving WB I-4 in Seminole County
- New auxiliary lane on EB I-4/Lake Mary Boulevard
- E.E. Williamson Road Bridge expansion
- ChampionsGate interchange improvements

Additional public involvement duties include:

- Good Neighbor Outreach or door-to-door distribution of information
- Public meeting and special event support
- Engaging existing and new stakeholders

FDOT District Five I-4 Ultimate Public Information: In addition to overseeing the I-4 Beyond the Ultimate project, Chris also supports the I-4 Ultimate team, planning and overseeing media events for specific milestones of the I-4 project. Chris and the Global-5 I-4 Ultimate team have worked with LYNX, SunRail, reThink (District Five's commuter



assistance program) and local municipalities to educate commuters about their travel alternatives during construction. Using historic traffic speed data from the Regional Intelligent Transportation Information System (RITIS), the team creates alternate route maps, placing them on I4ultimate.com and using them in presentations for major employers throughout the region.

Chris coordinates with contractors and design teams on the following interchanges along the I-4 Ultimate corridor:

- State Road 436
- Maitland Boulevard
- Ivanhoe Boulevard
- State Road 408
- Kirkman Road and Grand National Drive
- State Road 434

Additional public involvement duties include:

- Good Neighbor Outreach or door-to-door distribution of information
- Public meeting and special event support
- Engaging existing and new stakeholders

FDOT District Five FHWA ATCMTD Grant (ATTAIN Central Florida): Chris oversees all aspects of this project including the development of website content, handouts, news releases, media kits and other materials to promote the ATTAIN Central Florida program, which is deploying advanced transportation technologies at UCF and throughout Central Florida.

FDOT Central Office TSM&O Office Florida 511 Marketing: Chris managed media relations and outreach for FDOT's 511 Traveler Information System. His responsibilities included the development of internal and external strategic messages, collateral material, news releases, newsletters and website content. He managed a variety of initiatives and outreach efforts, including social media and large event exposure, to increase public awareness and strengthen the brand recognition of Florida 511. The work of Chris and the Florida 511 team generated more than 2 billion impressions in 2016. The FL511.com website has received nearly 6.6 million visitors since its launch and averages approximately 120,000 visitors monthly.

FDOT Central Office Automated Vehicles Outreach Support: As a subconsultant to HNTB, Chris managed the development of outreach and editorial products for the FDOT Automated Vehicles Program and the annual data symposium. Chris developed the integrated communications plan and editorial calendar, and provided content for all outreach products, including the website, e-newsletter, videos, brochures, awareness items, PowerPoint presentations, briefing packages, news releases, electronic media kits and the management of social media strategies and content.

GODWIN NNADI, Ph.D., P.E.

Geotechnical

**REGISTRATIONS/
AFFILIATIONS**

Professional Engineer:

LICENSES/CERTIFICATON

#50637, Florida 1996;
#90355751, Canada, 1993
Nigeria, 1985

EDUCATION

Ph.D. Civil Engineering
(1990)
Queens University, Kingston,
Canada
M.S. Civil Engineering
(1980);
Purdue University
Lafayette, Indiana
B.S Mining/Geological Eng.
(1979);
University of Nevada
Reno, Nevada

EXPERIENCE

41 years

PUBLICATIONS

Nnadi, G.N., I. Kinnear, J.D.
Hussin & S. Flood, 2001. **A
Case Study of Ground Im-
provement for a Major
Power Plant** in Jacksonville,
Florida. Proc. of a Specialty
Conference: Foundations
and Ground Improv. Blacks-
burg, Virginia, June 9-13.

PROFESSIONAL PROFILE

Dr. Nnadi directs and manages NADIC's operations throughout Florida. He has more than 41 years of experience from geotechnical and geo-environmental engineering applications to various areas such as civil, transportation, industrial and environmental systems. He has authored and co-authored over 14 publications and was an adjunct professor at University of Central Florida, Civil & Environmental Department.

PROJECT EXPERIENCEEast Central Regional Rail Trail, Phase 4A, Volusia County, FL

This project consisted of a 2.3 mile, 12-foot-wide asphalt multi-use trail, including two (2) bridges. The project extended from Guise Road to Gobblers Lodge Road in Osteen.

Shingle Creek Multi-Use Trail, Orange County, FL

This project consisted of a 14-foot wide multi-use trail, gravity walls, three (3) boardwalk bridges ranging in length from 300 to 2020 linear feet. The project length was approximately 10 miles long.

Orlando Urban Trail Gap and Extension Connectivity, Orlando, FL

This project consisted of a 1.8-mile 12-foot-wide multi-use trail for the purpose of providing connectivity between Michigan Street and Anderson Street. The purpose of the trail is to deter pedestrians and bicyclists from walking and riding in the roadway.

ADDITIONAL EXPERIENCE

- West Orange Pedestrian Bridge and Trail, Orange County, FL
- Front Street Multi-Use Trail, Melbourne, FL
- Greenwood Trail (from Maitland Boulevard to Gamewell Avenue), Orange County, FL
- Emory Canal Trail, Kissimmee, Osceola County, FL
- East Orlando Bike Trail (from Lake Nona to East Park Subdivision), Orange County, FL
- Pineapple Avenue Trail (from Montreal Avenue to Aurora Road), Brevard County, FL
- Lake Apopka Trail Connector (from Lake Apopka Loop Trail to W. Orange Trail), Orange County, FL
- Pine Hills Trail, Segment 2, Multi-Use Trail, Orange County, FL
- I-Drive Pedestrian Bridge, Orange County, FL





Mikel Travisano, MS
Cultural Resources Evaluation

Mikel Travisano, MS, joined SEARCH in 2015 and has more than 15 years of professional experience. Mikel is responsible for directing all phases of architectural history projects. His specialties include Historic American Buildings Survey (HABS)/Historic American Engineering Record (HAER) photography, modernist architecture, archival research, historic preservation, and architectural conservation. His experience with architectural styles and historic districts ranges from some of the oldest buildings and historic districts in the United States to modernist and vernacular styles in Puerto Rico and Guam. Mr. Travisano has worked with local government landmark agencies to address style, material, size, and height issues of new buildings in historic districts. He is experienced with implementing Sections 106 and 110 of the National Historic Preservation Act (NHPA), and Section 4(f) of the Department of Transportation (DOT) Act for private and public sector clients. His qualifications exceed those set forth by the Secretary of Interior's *Standards and Guidelines for Archeology and Historic Preservation* (48 FR 44716-42). Mr. Travisano has authored or co-authored more than 200 technical reports and presentations for Florida DOT (FDOT) Districts 1 through 7, Florida's Turnpike Enterprise, energy, private municipal, state and federal clients.

EDUCATION

MS 2005 Historic Preservation. Columbia University.
BFA 1998 Photography. Temple University.

RESEARCH SPECIALIZATIONS

Historic Preservation	Cultural Resource Management
Architectural Conservation	Architectural History
HABS/HAER Documentation	Archival Research

PROFESSIONAL EXPERIENCE

2015–present Architectural Historian and Principal Investigator, SEARCH
2013–2015 Construction Project Manager, Sciam Construction, LLC
2012–2013 Capital Projects Manager, Douglas Elliman Property Management
2007–2012 Architectural Conservator, The Historic House Trust of New York City
2005–2007 Architectural Historian, GMI/Versar
2004 Intern, David V. Abramson Architects

VOLUNTEER POSITIONS

Vice-President Emeritus, Columbia University Preservation Alumni (2010–2011)

PROFESSIONAL CERTIFICATIONS AND AWARDS

The Florida Trust for Historic Preservation: Honorable Mention in the Field of Restoration and Rehabilitation for the Main Street Bridge Project
The Florida Trust for Historic Preservation: Outstanding Performance in the Field of Preservation Education & Media for the St. Petersburg's Design Guidelines for Historic Preservation
National Preservation Institute, Recent Past: Strategies for Evaluation Workshop
National Preservation Institute, Section 106 Workshop

Mikel Travisano, MS
Architectural Historian and Principal Investigator



SELECT PROJECT EXPERIENCE

Principal Investigator/Architectural Historian, Cultural Resource Assessment Survey of the South Sumter Connector Trail from the Withlacoochee State Trail to the Van Fleet Trail, Hernando and Sumter Counties, Florida. A historic architectural and archaeological survey conducted in support of 12-foot-wide, multi-use trail. The total length of the surveyed project corridor is approximately 14 miles. The architectural survey identified and evaluated 71 historic resources within the project's preferred alignment, including 66 newly recorded historic resources and five previously recorded resources. The report presented the findings and determined the eligibility for listing the historic resources on the NRHP. Conducted for TranSystems and the FDOT, District 5.

Principal Investigator/Architectural Historian, Cultural Resource Assessment Survey of State Road 500 (US 441) from Lake Ella Road to Avenida Central, Lake County, Florida. A historic architectural and archaeological survey conducted in support of the widening of SR 500/US 441. The total length of the surveyed project corridor is approximately 4.2 miles. The architectural survey identified and evaluated 49 historic resources, including 28 newly recorded historic resources and 21 previously recorded resources. The newly recorded resources included three historic resource groups and one historic district. The report presented the findings and determined the eligibility for listing the historic resources on the NRHP. Conducted for Metric Engineering and the FDOT, District 5.

Principal Investigator/Architectural Historian. Cultural Resource Assessment Survey of the State Road 50 Project Development and Environment Study from US 301 to County Road 33, Hernando, Sumter, and Lake Counties, Florida. A historic architectural and archaeological survey in support of improvements along SR 50, which included five alternatives involving widening the existing two-lane road to four lanes, the addition of passing lanes, interchange improvements, and the addition of bicycle and pedestrian lanes. The total length of the surveyed project corridor is approximately 20 miles. The architectural survey identified and evaluated 123 historic resources, including 115 newly recorded historic resources and eight previously recorded resources. Five newly recorded resources were recommended eligible for the NRHP, including the Linden Cemetery and the Carpenter Gothic, Linden United Methodist Church. One previously recorded resource was identified as the NRHP-eligible S-Line Richloam. The report presented the findings and determined the eligibility for listing the historic resources on the NRHP. Conducted for Kittelson & Associates and the FDOT, District 5.

Principal Investigator/Architectural Historian. Cultural Resource Assessment Survey (CRAS) of US 301 (SR 35) of US 301 from CR 470 West to SR 44, Sumter County, Florida. A historic architectural and archaeological survey in support of the widening of SR 35. The total length of the surveyed project corridor is approximately 7.7 miles. The architectural survey identified and evaluated 124 historic resources, including 119 newly recorded historic resources and five previously recorded resources. The newly recorded resources included the recommendation for the creation of a new historic district. The report presented the findings and determined the eligibility for listing the historic resources on the NRHP. The Florida SHPO concurred with our recommendation for the new NRHP-eligible Coleman Historic District. Following the CRAS, SEARCH prepared an effects evaluation, as the recommended alternative would require property acquisition from the eligible resource's parcel. The effects evaluation concluded that the ROW acquisition would not diminish the resource's significance and the SHPO concurred. Accordingly, SEARCH prepared the documentation for FDOT to pursue a de minimis finding under Section 4(f). FDOT, under federal authority delegated by FHWA, approved the de minimis finding in July 2018. Conducted for HDR, Inc. and the FDOT, District 5.



Angela Matusik, MA
Cultural Resources Evaluation

Angela Matusik, MA, has 24 years of professional experience in the cultural resource management and the environmental, health, and safety fields. Ms. Matusik joined SEARCH in 2013, and her archaeological experience includes both academic and cultural resource management projects throughout Florida, the Western United States, Mexico, Central America, and South America. She is currently in SEARCH's Transportation Division where she has contributed to numerous FDOT, CFX, and private development projects. She is also one of SEARCH's Safety Officers, providing all levels of assistance to the Health and Safety Manager. She received her master's degree in Planning from the University of California, Los Angeles in 1997 and her bachelor's in Anthropology from Eckerd College in 1991; she also earned her GIS certificate from the University of West Florida in 2012. Ms. Matusik is a former Program Analyst for the Naval Undersea Warfare Center Detachment Atlantic Undersea Testing and Evaluation Center (NUWC DET AUTECE), Environmental, Safety, and Health Department, Andros Island, Bahamas; she obtained Secret clearance, supported mishap and near-miss reduction programs, provided training, workshops, and tours, and managed several departmental databases. She served in the US Peace Corps as a Regional Community Development Coordinator in Kosiv, Ivano-Frankivsk, Ukraine.

EDUCATION

BA	2015	Maritime Studies, University of West Florida
Certificate	2012	Geographic Information Systems, University of West Florida
MA	1997	Planning, University of California, Los Angeles
BA	1991	Anthropology, Eckerd College

RESEARCH SPECIALIZATIONS

Cultural Resource Management
 Survey and Cartography

PROFESSIONAL EXPERIENCE

2016-present	Principal Investigator, Health & Safety Officer, GIS Specialist, SEARCH
2013-2016	Project Archaeologist, Health & Safety Officer, GIS Specialist, SEARCH
2009-2013	Environmental, Safety, and Health Program Analyst, Atlantic Undersea Testing and Evaluation Center (AUTECE), Bahamas
2004-2009	Information Technology Field Service Representative, Helpdesk, Atlantic Undersea Testing and Evaluation Center (AUTECE), Bahamas
2003	Project Archaeologist/Instructor, Pambamarca Archaeology Project, Ecuador
2001-2003	Regional Community Development Coordinator, US Peace Corp, Ukraine
2000	Project Archaeologist/Instructor, Minanha Regional Survey, Belize
1998-2000	Project Manager, RW3 Technologies, Austin, Texas
1991-1995	Senior Field Technician, Surveyor, Cartographer, and Laboratory Technician in Florida, Belize, California, and Peru

PROFESSIONAL REGISTRATIONS AND ASSOCIATIONS

Society for American Archaeology
 Florida URISA (Urban and Regional Information Systems Association)

Angela Matusik, MA
Principal Investigator, Health & Safety Officer, and GIS Specialist



SELECT PROJECT EXPERIENCE

2019

Principal Investigator. Ongoing Cultural Resource Desktop Reviews and Field Assessments for FDOT, District 5, under the March 14, 2016 Section 106 Programmatic Agreement between FHWA, the ACHP, the FDHR, the SHPO, and the FDOT. To date, over 300 project evaluations have been completed. FDOT, District 5 includes Brevard, Flagler, Lake, Marion, Orange, Osceola, Seminole, Sumter, and Volusia counties.

Principal Investigator. Cultural Resource Assessment Survey for the Lake/Orange County Connector PD&E Study, Lake and Orange Counties, Florida. Conducted for Metric Engineering and the Central Florida Expressway Authority (CFX).

Principal Investigator. Cultural Resource Assessment Survey for the Osceola Parkway PD&E Study, Orange and Osceola Counties, Florida. Conducted for Reynolds, Smith & Hills, Inc. (RS&H) and the Central Florida Expressway Authority (CFX).

Principal Investigator. Cultural Resource Assessment Survey for the St. Johns River to Sea (SJR2C) Loop Trail Gap PD&E Study in DeLand, Volusia County, Florida. Conducted for Inwood Consulting Engineers, Inc. and FDOT, District 5.

Principal Investigator. Cultural Resource Assessment Survey for SR 504 (Colonial Parkway) from Woodbury to SR 520, Orange County, Florida. Conducted for HNTB, Jacobs Engineering Group, and Florida's Turnpike Enterprise.

2018

Principal Investigator. Cultural Resource Assessment Survey of SR 528 from East of SR 524 (Industry Road) to East of SR 3, Brevard County, Florida. Conducted for Kisinger Campo & Associates (KCA) and FDOT, District 5.

Principal Investigator. Cultural Resource Assessment Survey for the St. Johns River to Sea Loop PD&E Study from US 1/Kennedy Parkway to Dale Avenue, Volusia County, Florida. Conducted for Inwood Consulting Engineers, Inc. and FDOT, District 5.

Principal Investigator. Cultural Resource Assessment Survey for the I-95/SR 9 from Northbound Rest Area to Southbound Rest Area, Brevard County, Florida. Cultural Resource Assessment Survey for the I-75/SR 93 Northbound and Southbound Rest Area Improvements, Sumter County, Florida. Both projects conducted for Bently Architects & Engineers, Inc. and FDOT, District 5.

Principal Investigator. Cultural Resource Assessment Survey for the SR5/US 1 Outfall Rehabilitation Project, Brevard County. Conducted for Infrastructure Engineers, Inc. and FDOT, District 5.

ARCHAEOLOGICAL PAPER

Austin, Robert J., and Angela Matusik

2014 *Galena Distribution in Florida: Implications for Prehistoric Trade.* Paper presented at the 66th annual meeting of the Florida Anthropological Society, Punta Gorda.

ATTACHMENT 4

LOCATION PERCENTAGE OF
WORK TO BE COMPLETED

22-901

Address of Prime Consultant's designated office where the majority of work will be performed	
Street	800 N. Magnolia Avenue
Street 2	Suite 1750
City	Orlando
State	FL 32803

Percentage of total overall fees projected to be performed by the Prime Consultant's office above (Do not include percentage of fees anticipated to be performed on this project by sub-consultants)	33%
--	-----

Address of Prime Consultant's other offices where work will be performed (if applicable)	
Street	2035 Vista Parkway
Street 2	
City	West Palm Beach
State	FL 33411

Percentage of total overall fees projected to be performed by the Prime Consultant's office above (Do not include percentage of fees anticipated to be performed on this project by sub-consultants)	18%
--	-----

Percentage of total overall fees projected to be performed by firms located within Lake County including the Prime Consultant and Subconsultants.	0%
---	----

ATTACHMENT 4

LOCATION PERCENTAGE OF
WORK TO BE COMPLETED

22-901

Address of Prime Consultant's designated office where the majority of work will be performed	
Street	**SEE 1st PAGE OF ATTACHMENT 4**
Street 2	
City	
State	

Percentage of total overall fees projected to be performed by the Prime Consultant's office above (Do not include percentage of fees anticipated to be performed on this project by sub-consultants)	Refer to 1st page
--	-------------------

Address of Prime Consultant's other offices where work will be performed (if applicable)	
Street	3111 W. Dr. Martin Luther King Boulevard
Street 2	Suite 375
City	Tampa
State	FL 33607

Percentage of total overall fees projected to be performed by the Prime Consultant's office above (Do not include percentage of fees anticipated to be performed on this project by sub-consultants)	5%
--	----

Percentage of total overall fees projected to be performed by firms located within Lake County including the Prime Consultant and Subconsultants.	Refer to 1st page
---	-------------------