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## 2. FORMS

## 2. FORMS

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### a. Attachment 1 - Submittal Form

#### ATTACHMENT 1 – SUBMITTAL FORM

21-0940

The undersigned hereby declares that: Stantec Consulting Services 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 **On-Call, Transportation and Traffic Engineering Services** 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.

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 will accept payment through the County Credit Card-based payment system: YES

#### 1.0 TERM OF CONTRACT

The Contract will be awarded for an initial one (1) year term with the option for two (2) subsequent two (2) year renewals. Renewals are contingent upon mutual written agreement.

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

#### 2.0 METHOD OF PAYMENT

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

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

#### 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. Not applicable

**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 not applicable and enter effective date not applicable to date not applicable

**8.0 RECIPROCAL VENDOR PREFERENCE:**

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

- A. Primary business location of the responding Vendor: Lake Mary, Florida
- 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: not applicable

**9.0 GENERAL VENDOR INFORMATION:**

Firm Name: Stantec Consulting Services Inc.

Street Address: 300 Primera Boulevard, Suite 300

City: Lake Mary State and ZIP Code: Florida 32746

Mailing Address (if different): [Click or tap here to enter text.](#)

Telephone: (407) 710-3341 Fax: 407-710-3383

Federal Identification Number / TIN: 11-2167170

DUNS Number: 07-874-0534

**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: *Luis Diaz, PE*

Date: 9/20/2021

Print Name: Luis Diaz, PE

Title: Senior Project Manager/Principal in Charge

Primary E-mail Address: luis.diaz@stantec.com


Secondary E-mail Address: deepika.fields@stantec.com

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

*[The remainder of this page is intentionally blank]*

## b. Proof of Sunbiz.org Registration

← Stantec Consulting Services Inc. - Proof of Sunbiz Registration



**DIVISION of CORPORATIONS**  
*an official State of Florida website*

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

### Detail by Entity Name

Foreign Profit Corporation  
STANTEC CONSULTING SERVICES INC.

Filing Information

<b>Document Number</b>	F01000005948
<b>FEI/EIN Number</b>	11-2167170
<b>Date Filed</b>	11/14/2001
<b>State</b>	NY
<b>Status</b>	ACTIVE
<b>Last Event</b>	CORPORATE MERGER
<b>Event Date Filed</b>	12/27/2007
<b>Event Effective Date</b>	12/31/2007

Principal Address

370 INTERLOCKEN BLVD  
SUITE 300  
BROOMFIELD, CO 80021

Changed: 04/06/2019

Mailing Address

10220 - 103 AVENUE NW  
SUITE 400  
EDMONTON, AB T5J 0K4 CA

Changed: 04/06/2019

Registered Agent Name & Address

CORPORATION SERVICE COMPANY  
1201 HAYS STREET  
TALLAHASSEE, FL 32301

Name Changed: 02/14/2013

Address Changed: 02/14/2013

Officer/Director Detail

**Name & Address**

Title Director, VP, Asst. Secretary

STONE, JEFFREY P

Detail by Entity Name

61 COMMERCIAL STREET  
SUITE 100  
ROCHESTER, NY 14614

Title Director, COO, Executive Vice President

LERNER, STUART E  
475 FIFTH AVENUE  
12TH FLOOR  
NEW YORK, NY 10017

Title President

JOHNSTON, GORDON A  
10220 - 103 AVENUE NW  
SUITE 400  
EDMONTON, AB T5J 0K4 CA

Title Secretary

HEISLER, CHRISTOPHER O  
10220 - 103 AVENUE NW  
SUITE 400  
EDMONTON, AB T5J 0K4 CA

Title Treasurer

JANG, THERESA  
10220 - 103 AVENUE NW  
SUITE 400  
EDMONTON, AB T5J 0K4 CA

Title Executive Vice President

KENNEDY, MICHAEL A  
6900 PROFESSIONAL PARKWAY EAST  
SUITE 100  
SARASOTA, FL 34240

Title Senior Principal

BURNETT, ANDREW W  
370 INTERLOCKEN BLVD  
SUITE 300  
BROOMFIELD, CO 80021

Annual Reports

Report Year	Filed Date
2019	04/06/2019
2020	01/16/2020
2021	04/16/2021

← Stantec Consulting  
Services Inc. - Proof  
of Sunbiz Registration  
(cont.)



# *State of Florida*

## *Department of State*

I certify from the records of this office that STANTEC CONSULTING SERVICES INC. is a New York corporation authorized to transact business in the State of Florida, qualified on November 14, 2001.

The document number of this corporation is F01000005948.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on April 16, 2021, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Eighteenth day of August,  
2021*



*Ronald R. Lee*  
**Secretary of State**

Tracking Number: 4088896674CU

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

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

# c. W-9 Form

Form <b>W-9</b> (Rev. October 2018) Department of the Treasury Internal Revenue Service	<h2 style="margin: 0;">Request for Taxpayer Identification Number and Certification</h2> <p style="margin: 0;">▶ Go to <a href="http://www.irs.gov/FormW9">www.irs.gov/FormW9</a> for instructions and the latest information.</p>	Give Form to the requester. Do not send to the IRS.																			
<b>1</b> Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Stantec Consulting Services Inc.</b>																					
<b>2</b> Business name/disregarded entity name, if different from above																					
Print or type. See Specific Instructions on page 3.	<b>3</b> Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <b>Note:</b> 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 <b>not</b> disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶ _____		<b>4</b> Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) <b>#5#</b> Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>																		
	<b>5</b> Address (number, street, and apt. or suite no.) See instructions. <b>(Remit to address) 13980 Collections Center Drive</b>		Requester's name and address (optional)																		
	<b>6</b> City, state, and ZIP code <b>Chicago, IL 60693-0139</b>																				
	<b>7</b> List account number(s) here (optional)																				
<h3>Part I Taxpayer Identification Number (TIN)</h3> <p>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 <i>How to get a TIN</i>, later.</p> <p><b>Note:</b> If the account is in more than one name, see the instructions for line 1. Also see <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.</p>																					
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="9" style="text-align: left; padding: 2px;">Social security number</th> </tr> <tr> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> </tr> </table>	Social security number																		
Social security number																					
		<p style="text-align: center;"><b>or</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="9" style="text-align: left; padding: 2px;">Employer identification number</th> </tr> <tr> <td style="width: 25px; height: 20px; text-align: center;">1</td> <td style="width: 25px; height: 20px; text-align: center;">1</td> <td style="width: 25px; height: 20px; text-align: center;">-</td> <td style="width: 25px; height: 20px; text-align: center;">2</td> <td style="width: 25px; height: 20px; text-align: center;">1</td> <td style="width: 25px; height: 20px; text-align: center;">6</td> <td style="width: 25px; height: 20px; text-align: center;">7</td> <td style="width: 25px; height: 20px; text-align: center;">1</td> <td style="width: 25px; height: 20px; text-align: center;">7</td> <td style="width: 25px; height: 20px; text-align: center;">0</td> </tr> </table>	Employer identification number									1	1	-	2	1	6	7	1	7	0
Employer identification number																					
1	1	-	2	1	6	7	1	7	0												
<h3>Part II Certification</h3> <p>Under penalties of perjury, I certify that:</p> <ol style="list-style-type: none"> <li>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</li> <li>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</li> <li>I am a U.S. citizen or other U.S. person (defined below); and</li> <li>The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.</li> </ol> <p><b>Certification instructions.</b> 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.</p>																					
<b>Sign Here</b>	Signature of U.S. person ▶ _____	Date ▶ 1/17/2020																			
<h3>General Instructions</h3> <p>Section references are to the Internal Revenue Code unless otherwise noted.</p> <p><b>Future developments.</b> For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to <a href="http://www.irs.gov/FormW9">www.irs.gov/FormW9</a>.</p> <p><b>Purpose of Form</b></p> <p>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.</p> <ul style="list-style-type: none"> <li>• Form 1099-INT (interest earned or paid)</li> <li>• Form 1099-DIV (dividends, including those from stocks or mutual funds)</li> <li>• Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)</li> <li>• Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)</li> <li>• Form 1099-S (proceeds from real estate transactions)</li> <li>• Form 1099-K (merchant card and third party network transactions)</li> <li>• Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)</li> <li>• Form 1099-C (canceled debt)</li> <li>• Form 1099-A (acquisition or abandonment of secured property)</li> </ul> <p>Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.</p> <p><i>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.</i></p>																					
Cat. No. 10231X		Form <b>W-9</b> (Rev. 10-2018)																			



## d. Addenda

ADDENDUM NO. 1

21-0940



Office of Procurement Services

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

**SOLICITATION:** On-Call, Transportation and Traffic Engineering Services

08/30/2021

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

Question 1. Will the County be providing topographic survey for task work orders or will the consultant need to provide survey?

**Response 1. Survey is typically provided by the County for design projects under this contract as these are much smaller projects.**

Question 2. Section 5.0.B. 2. Past Performance requires references / relevant projects completed within the last three (3) years, but the instructions on the Reference Form (Attachment 2) state that references must be less than five years old. Are we allowed to use projects less than five years old, or must they be within three years?

**Response 2. The projects must be from within the past five years**

Question 3. Section 6.0. E.4. Subcontractors/Joint Ventures section states, "Provide a list of proposed subcontractors or joint venture arrangements that may be used on the project. Provide the same information required in the Pricing Proposal for each sub-vendor or joint venture participant." Since there is no 'Pricing Proposal' to be submitted, can you please specify what information is required for our subconsultants?

**Response 3. The information is noted in the REVISED Attachment 3 – Team Composition Form.**

### ADDITIONAL INFORMATION

Remove and replace Attachment 3 – Team Composition Form with the REVISED Attachment 3 – Team Composition Form.

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### ACKNOWLEDGEMENT

Firm Name: Stantec Consulting Services 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.

**ADDENDUM NO. 1**

**21-0940**

Signature of Legal Representative Submitting this Bid: *Luis Diaz, PE*



Date: 9/17/2021

Print Name: Luis Diaz, PE

Title: Senior Project Manager / Principal in Charge

Primary E-mail Address: luis.diaz@stantec.com

Secondary E-mail Address: deepika.fields@stantec.com



REAL FLORIDA • REAL CLOSE  
Office of Procurement Services

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

**SOLICITATION:** On-Call Transportation and Traffic Engineering Services

09/14/2021

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. In reference to PDF page 5 (in the Solicitation) under item #4 Subcontractors/joint ventures - Could you clarify what is meant by the sentence? "Provide the same information in the pricing proposal for each sub-vendor or joint vendor participant."

**R1. There is no pricing component for this solicitation at this time. Please list any and subcontractors on Attachment 3 – Team Composition Form**

Q2. Under the Lake County General Terms and Conditions for the On-Call Transportation and Traffic Engineering Services RSQ No. 21-0940, it appears the "Warranty" terms do not apply to engineering type services and the "Indemnification" provision does not comply with Florida Statutes 725.08. Would the County be open to discussion of modifications to these provisions? At the County's convenience, and if necessary, we would be available to discuss these sections in more depth.

**R2. The County will ensure that all indemnification language requirements are in accordance with Florida Statutes upon award of a contract.**

**ACKNOWLEDGEMENT**

Firm Name: Stantec Consulting Services 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:  Luis Diaz, PE

Date: 9/17/2021

Print Name: Luis Diaz, PE

Title: Senior Project Manager / Principal in Charge

Primary E-mail Address: luis.diaz@stantec.com

Secondary E-mail Address: deepika.fields@stantec.com

# e. Proof of Insurance



## CERTIFICATE OF LIABILITY INSURANCE

5/1/2022 DATE (MM/DD/YYYY)  
4/22/2021

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

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

<b>PRODUCER</b> Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): _____ FAX (A/C, No): _____ E-MAIL ADDRESS: _____	
	INSURER(S) AFFORDING COVERAGE <b>INSURER A:</b> Berkshire Hathaway Specialty Insurance Company 22276 <b>INSURER B:</b> Travelers Property Casualty Co of America 25674 <b>INSURER C:</b> _____ <b>INSURER D:</b> _____ <b>INSURER E:</b> _____ <b>INSURER F:</b> _____	
<b>INSURED</b> 1415077 STANTEC CONSULTING SERVICES INC. 370 INTERLOCKEN BLVD SUITE 300 BROOMFIELD CO 80021-8012		

**COVERAGES**      **CERTIFICATE NUMBER:** 14193567      **REVISION NUMBER:** XXXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>CONTRACTUAL/CROSS</b> <input checked="" type="checkbox"/> <b>XCU COVERED</b> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER: _____	N	N	47-GLO-307584	5/1/2021	5/1/2022	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B B B	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY	N	N	TC2J-CAP-8E086819 (AOS) TJ-BAP-8E086820 TC2J-CAP-8E087017 (NJ)	5/1/2021 5/1/2021 5/1/2021	5/1/2022 5/1/2022 5/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____	N	N	47-UMO-307585	5/1/2021	5/1/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ XXXXXXXX
B B B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	UB-3P635310 (AOS) UB-3P533004 (MA, WI) EXCEPT FOR OH ND WA WY	5/1/2021 5/1/2021	5/1/2022 5/1/2022	<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

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) TO WHOM IT MAY CONCERN.

<b>CERTIFICATE HOLDER</b> 14193567 TO WHOM IT MAY CONCERN	<b>CANCELLATION</b> See Attachment SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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# CERTIFICATE OF LIABILITY INSURANCE

10/1/2021

DATE (MM/DD/YYYY)  
9/13/2019

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

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

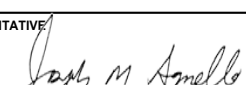
PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME:		
	PHONE (A/C, No, Ext):	FAX (A/C, No):	
INSURED 1414100 STANTEC CONSULTING SERVICES INC. 370 INTERLOCKEN BOULEVARD, SUITE 300 BROOMFIELD CO 80021-8012	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Berkshire Hathaway Specialty Insurance Company		22276
	INSURER B : AIG Specialty Insurance Company		26883
	INSURER C :		
	INSURER D :		
	INSURER E :		
INSURER F :			

**COVERAGES**      **CERTIFICATE NUMBER:** 14181323      **REVISION NUMBER:** XXXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX DAMAGE TO RENTED PREMISES (Ea occurrence) \$ XXXXXXXX MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ XXXXXXXX GENERAL AGGREGATE \$ XXXXXXXX PRODUCTS - COMP/OP AGG \$ XXXXXXXX \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			NOT APPLICABLE			<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX
A	Professional Liab	N	N	47-EPP-308810 NO RETROACTIVE DATE	10/1/2020	10/1/2021	\$3,000,000 PER CLAIM/AGG INCLUSIVE OF COSTS
B	Contractors Pollution Liab			CPO8085428	10/1/2019	10/1/2021	\$3,000,000 PER LOSS/AGG

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

<b>CERTIFICATE HOLDER</b> 14181323 TO WHOM IT MAY CONCERN	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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# f. Complete Attachment 3 - Team Composition Form

ATTACHMENT 3 - TEAM COMPOSITION

21-0940

## CONSULTANT

ROLE	Name	City of Residence	Florida Active Registrations Number
Principal in Charge	Luis Diaz, PE	Lake Mary, FL	FL Prof. Eng. #43263
Project Manager	Deepika Fields, PE	Lake Mary, FL	FL Prof. Eng. #58954
QA/QC Officer	Frank Domingo, PE	Tampa, FL	FL Prof. Eng. #51601
Transportation/Traffic Engineer	Chris Benitez, PE, PTOE	Coral Gables, FL	FL Prof. Eng. #74035; PTOE #4286
Transportation/Traffic Engineer	Matt Crim, PE, PTOE	Cincinnati, OH	FL Prof. Eng. #68297; PTOE # 3067
Travel Demand Modeler	Jamie Snow	Lake Mary, FL	N/A
Travel Demand Modeler	Ankita Chaudhary	Lake Mary, FL	N/A
GIS Specialist	Richard Pascoe, GISP	Tampa, FL	GISP #00060828
PD&E Study Planner	Elizabeth Beam, AICP	Lake Mary, FL	Certified Planner #013384
PD&E Study Engineer	Roberto Gutierrez, PE	Coral Gables, FL	FL Prof. Eng. #71043
Transit Development Specialist	Carmen Monroy	Fort Myers, FL	N/A
Transit Development Specialist	Sasha Pejicic, PMP	Hamilton, ON	N/A
Arterial Analysis Engineer	Sam Williams, PE	Raleigh, NC	N/A
Arterial Analysis Engineer	Kellie Reep, PE	Charlotte, NC	FL Prof. Eng. #040788
Preliminary Engineering Plans	Desir Jacques, PE	Atlanta, GA	FL Prof. Eng. #62453
Preliminary Engineering Plans	Heather Grubert, PE	Lake Mary, FL	FL Prof. Eng. #65082
Intersection Design	Ross Shillingford, PE, PTOE	West Palm Beach, FL	FL Prof. Eng. #56901; PTOE #4140
Intersection Design	Janette Oliveros, PE	West Palm Beach, FL	FL Prof. Eng. #83309

## 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)
Geotechnical Services	Ardaman and Associates, Inc.	8008 S Orange Ave., Orlando, FL	Charles Cunningham, PE	2%	YES	YES
			Carl Stephens, PE	1%	YES	YES
Arterial Analysis/Traffic Signal Warrants Analysis & Design/Traffic Counts	Aspireon Consulting Group, Inc.	821 Palmetto Tr, Oviedo, FL	David Graeber, PE	1%	YES	YES
			Deborah Graeber, PE	3%	YES	YES
Surveying & Mapping Services	Half Associates, Inc.	902 N. Sinclair Ave., Tavares, FL	John McGlohorn, PSM	2%	YES	YES
Surveying & Mapping Services	Precise Locating Group, Inc.	PO Box 668 Altoona FL	Tom Wilson	1%	NO	NO
Traffic Counts	Peggy Malone & Associates, Inc.	14286 Beach Blvd., Jacksonville, FL	Janette Simpson	10%	NO	NO
			Rick Whitman	5%	NO	NO
Concurrency Reviews/Interregional Transportation Study	Protean Design Group, Inc.	100 East Pine Street, Orlando, FL	Todd Davis, PE	2%	YES	YES
Preliminary Eng. Plans			Laura Rossi, PE	1%	YES	YES
Traffic Safety Studies & Design			Alexander Hinkle, PE	1%	YES	YES
Intersection Design, Sidewalk			Leonard Barden, PE	1%	YES	YES



## DEEPIKA FIELDS PE

### PROJECT MANAGER



#### YEARS OF EXPERIENCE:

- Stantec: 4
- Other Firms: 11

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- PD&E Studies
- Safety Engineering/Studies

#### EDUCATION

- Bachelor of Science, Civil Engineering, University of Maryland, 1994

#### REGISTRATIONS

- Professional Engineer #58954, State of Florida

Deepika Fields is a senior transportation engineer with 15 years of experience in transportation and traffic engineering design, planning and operations analysis. She has conducted more than 150 traffic impact/operations studies for public and private development projects. She also has experience preparing roadway construction plans and specifications including traffic signal design, pavement markings/signing, work zone traffic control, limits of construction and utility conflict schedules. She is well-versed in preparation and peer review of NEPA documents including FDOT Project Development and Environment (PD&E) studies, having completed the largest PD&E study in the state of Florida for the 43-mile I-4 Beyond the Ultimate corridor. Deepika is dedicated to excellent communication and coordination with clients including FDOT and local agencies, as well as sub-consultants and other project stakeholders. Deepika understands how to implement projects from initial conception to final completion and is skilled in researching, analyzing and producing reports with design recommendations on a variety of transportation and land development projects. Deepika's relevant experience includes:

#### RELEVANT EXPERIENCE

**Districtwide Traffic Operations Studies, FDOT District 5, Districtwide, Florida** - Project Engineer responsible for preparing traffic operations studies as part of a continuing services contract for FDOT. Tasks included preparing signal warrant studies, intersection analysis, access management, speed studies, intersection qualitative assessments, and pedestrian and safety studies for various locations throughout Central Florida and District 5.

**General Engineering Consultant (GEC) Services Contract, FDOT District 5, Districtwide, Florida** - Traffic Engineer responsible for the general engineering consultant contract providing support to the Department for a wide range of engineering, architectural, surveying/mapping, technical, management and administrative services to assist bringing to completion as expeditiously as possible numerous projects within the work program for District 5 and support the operation, maintenance and construction of the state highway system.

**I-4 (SR 400) Beyond the Ultimate (BtU) Project Development and Environment Reevaluation Study, FDOT District 5, Polk, Osceola, Orange, Seminole & Volusia County, Florida** - Responsible for preparation of the Preliminary Engineering Reports (PER) for all five Segments of the I-4 BtU PD&E Reevaluation Study, as part of the FHWA Location Design Concept Acceptance (LDCA). The I-4 BtU PD&E study encompasses 43 miles of roadway improvements, including two new express lanes in each direction, from US 27 in Polk County to SR 435 in Orange County and from SR 434 in Seminole County to SR 472 in Volusia County.

**Round Lake Road Project Development & Environment (PD&E) Study, Lake County BCC, Lake County, Florida** - Assistant Project Manager responsible for the PD&E study, coordinating team task leaders and subconsultants and ensuring quality deliverables to the client. Also responsible for producing the Corridor Analysis Technical Memorandum, Design Traffic Technical Memorandum, Design Traffic Report and Preliminary Engineering Report for the Round Lake Road PD&E Study, from Meadowland Drive in Orange County to north of State Road (SR) 44 in Lake County, a length of approximately five miles. The PD&E study evaluates alternatives to develop a recommendation for a preferred alignment and improvements for Round Lake Road that include widening the existing segments and constructing new segments, resulting in a continuous four-lane divided urban section.

## LUIS DIAZ PE

### PRINCIPAL IN CHARGE



#### YEARS OF EXPERIENCE:

- Stantec: 5
- Other Firms: 32

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- PD&E Studies

#### EDUCATION

- Master of Science, Civil Engineering, University of Central Florida, Orlando, Florida, 1992
- Bachelor of Science, Civil Engineering, University of Central Florida, Orlando, Florida, 1984

#### REGISTRATIONS

- Professional Engineer #43263, State of Florida

Throughout his 37 years of planning and engineering experience, Luis has accumulated vast project experience in many facets of transportation planning. His areas of expertise include PD&E and corridor studies, long range transportation plans, arterial investment and area wide studies, public involvement, agency coordination, as well as transportation modeling. Luis has sound knowledge of the elements important in toll facility concept development, including: Regional planning and traffic forecasts; Traffic operations; New route alignment studies and geometric concepts for interchanges; Environmental issues and the PD&E process; Agency coordination and permitting; and gaining public acceptance through effective community involvement programs. His experience with toll authorities includes work for the Orlando-Orange County Expressway Authority and West Virginia Turnpike Authority. Luis has completed more than one dozen PD&E projects for different agencies within the Central Florida area, including FDOT. This experience includes serving as project manager on PD&E studies for I-95 at Pioneer Trail Interchange, Round Lake Road PD&E, John Young Parkway in Osceola County, SR 15/US 17 in Volusia County and the SR 15/600 Interchange at SR 436 in Seminole County, as well as FTE's Continuing Services for PD&E Studies Consultant contract. Luis is thoroughly familiar with many transportation forecasting software applications, including FSUTMS, CUBE and others, and is also proficient in the use of traffic engineering programs for capacity analysis.

#### RELEVANT EXPERIENCE

**Round Lake Road PD&E Study, Lake County, Florida** - Project Manager for Round Lake Road PD&E Study which focused on proposing transportation improvements along Round Lake Road from Meadowland Drive in Orange County to Wolf Branch Road in Lake County and continuing the proposed improvements on a new alignment north of Wolf Branch Road to north of State Road 44. This corridor is located partially within the City of Mount Dora and in unincorporated Lake County and is about 4.75 miles in length. This study is a combination of engineering analysis, environmental evaluations, and public and agency input. This process is used to develop transportation improvements that are technically sound, environmentally sensitive, economically feasible, and socially acceptable. This study was completed in June 2019.

**General Engineering Consultant (GEC) Services Contract, Deland, Florida, FDOT District 5** - Project Manager responsible for the General Engineering Consultant contract providing support to the Department for a wide range of engineering, architectural, surveying/mapping, technical, management and administrative services to assist bringing to completion as expeditiously as possible numerous projects within the work program for District 5 and support the operation, maintenance and construction of the state highway system. The General Engineering Consultant functions as an extension of the Department's resources by providing qualified technical and professional personnel to perform the duties and responsibilities assigned under the terms of this agreement.

**General Traffic Data Consultant, FDOT Central Office** - Task Manager who oversaw the technical staff completing an extensive field testing of new traffic monitoring site equipment to include fiber optic, laser systems and other new sensor technology. The equipment was tested for the application of verifying the accuracy of the state's TTMS classification sites. As part of the General Traffic Data Consultant Services Contract, also provided hands-on training and support on the Project Traffic Forecasting process to the Department staff members. Training was provided upon request by District staff and was held at the corresponding District's office. Responsibility included conducting both the Basic and Advanced training courses at selected FDOT locations throughout the state. Also assisted the Department in updating the Advanced Project Traffic Course materials to current standards and software compatibility.

## FRANK DOMINGO PE

### QA/QC OFFICER



Frank brings over 34 years of comprehensive infrastructure, transportation planning/traffic engineering (TP/TE), transit, community development and public-private partnership expertise with both public and private sector experience. As the Smart Mobility Practice Lead for Florida, Frank strives to facilitate the interconnection between technology, infrastructure, and transportation. By assembling a multimodal, multidisciplinary team to plan, design and implement solutions, allowing for the potential to enhance communities by supporting economically viable, resilient, and socially equitable transportation networks that prioritize people, goods, and partnerships, as we transition to the next generation of mobility. Drawing from the foundation of his traditional transportation and transit experience and combining with the newer technologies, he can bring smart mobility solutions to new and existing clients.

#### YEARS OF EXPERIENCE:

- Stantec: 17
- Other Firms: 12

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- PD&E Studies

#### EDUCATION

- Bachelor of Science, Civil Engineering, University of Florida, Gainesville, Florida, US, 1986

#### REGISTRATIONS

- Professional Engineer #51601, State of Florida
- Professional Engineer #C46393, State of California

#### RELEVANT EXPERIENCE

##### **Bay Street Extension (Pine Ranch East Road to Honore Avenue), Sarasota, FDOT District 1 -**

Engineer of Record responsible for ongoing client and project coordination, account management, and project scheduling. Palmer Ranch Holdings LTD engaged Stantec to design improvements for approximately 1.1 miles of Bay Street from Pine Ranch East Road to Honore Avenue. The improvements included two outside lanes within a four-lane right-of-way on new alignment with a raised median, bike lanes, curbs and gutters, sidewalks, and street lighting. Plans also included constructing stormwater ponds, relocating utilities, a roundabout at the intersection of Honore Avenue, a rails-to-trails crossing and avoiding herbaceous wetlands.

**Roundabout- Honore Avenue at Central Sarasota Parkway, Sarasota, FDOT District 1 -** Engineer of Record responsible for ongoing client and project coordination, account management, and project scheduling. Palmer Ranch Holdings LTD engaged Stantec to design improvements for a two-lane roundabout at the intersection of Honore Avenue and Central Sarasota Parkway.

**Honore/17th and McIntosh/Ashton Intersection Analysis & Concept Development, Sarasota County, Florida -** Principal in Charge responsible for Quality Assurance/Quality Control. Stantec provided capacity/operational analyses for two intersection including conventional signalized intersection, preliminary evaluation of a continuous flow intersection and roundabout. Conceptual designs were developed for signalized and roundabout designs including geometry, lane requirements, right-of-way impacts and access management needs.

**Pine Ridge Road Corridor Congestion Study, Collier County, Florida -** As Principal in Charge for this project, Frank managed the traffic engineering services in conducting a congestion study of Pine Ridge Road near I-75. Services included land-use analysis, level-of-service analysis of existing and future conditions, development and testing of potential solutions, microsimulation of recommended alternatives, and public involvement. The congestion study consisted of an initial operational analysis of the corridor using Synchro and then a microsimulation analysis of the preferred alternatives.

**Sarasota-Manatee Barrier Island Traffic Study, Sarasota, FDOT District 1 -** Project Manager responsible for project management and production of the traffic study and event management plan. This project includes the development of an integrated mobility plan to address the special event nature of the seasonal visitors from November to April for a 20-mile area from Lido Key to Anna Maria Island. The plan addresses congestion relief, park and ride strategies, the use of alternative transit modes such as trolleys, water taxis/ferries, aerial gondolas, low speed electric shuttles, and intelligent transportation systems to provide traveler/parking information to the traveling public.

## CHRIS BENITEZ PE, PTOE

### TRAFFIC IMPACTS STUDIES/IMPACT FEES REVIEWS - CONCURRENCY REVIEWS - DEVELOPMENT OF REGIONAL IMPACT STUDIES REVIEWS - NEIGHBORHOOD STUDIES



Chris has been working in the transportation field for over 15 years. His experience includes traffic and safety engineering, data analytics, transportation planning studies (i.e., feasibility, complete streets, corridors, and intersections), Florida Department of Transportation (FDOT) Project Development & Environment (PD&E) Studies, Interchange Access Requests (IAR), interchange and limited access facility projects, transit and multimodal planning, traditional and virtual public engagement, in-house consulting, and managing on-call/Districtwide contracts. He has worked on projects for FDOT Districts 6, District 4, District 1, FDOT Central Office, Miami-Dade Transportation Planning Organization (TPO), Broward Metropolitan Planning Organization (MPO), Florida's Turnpike Enterprise, Miami-Dade Expressway Authority (MDX), South Florida Regional Transportation Authority (SFRTA), and numerous local governments within South Florida.

#### YEARS OF EXPERIENCE:

- Stantec: 9
- Other Firms: 6

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- Traffic Studies
- PD&E Studies

#### EDUCATION

- Bachelor of Science, Civil Engineering, Florida International University, Miami, Florida 2006

#### REGISTRATIONS

- Professional Engineer #74035, State of Florida (2012)
- Certified Professional Traffic Operations Engineer #4286, Transportation Professional Certification Board Inc.
- Road Safety Professional #323, Transportation Professional Certification Board Inc.

#### RELEVANT EXPERIENCE

**Intersection Control Evaluation (ICE) along SR 70 from Lorraine Road to CR 675, FDOT District 1** - Project Manager for the Intersection Control Evaluation (ICE) for a PD&E/Design project along SR 70 between Lorraine Road to CR 675 within Manatee County. This was completed as a task work order under a FDOT District 1 Districtwide PD&E/ETDM contract. Evaluated four intersections along the project corridor by conceptualizing various alternative intersection controls such as Quadrant Roadway, Displaced Left-Turn, Roundabouts, Continuous Green-Tee, and Restricted Crossing U-Turns. The analysis included conceptual design, cost estimates, traffic analysis, safety analysis, benefit/cost calculations (based on cost, traffic operations, and safety), and impact assessment.

**SR 934 Lane Repurposing Study, North Bay Village, Florida** - Project Manager for this corridor study for SR 934/79 Street/Kennedy Causeway within the limits of the City of North Bay Village. The improvements were identified from the NBV 100 Master Plan to prioritize people over cars and transform the SR 934/79 Street/Kennedy Causeway corridor to a complete street design with on-street parking, buffered bicycle lanes, and lower posted and operating speeds. To achieve this vision, the corridor, which is a State Road facility under the jurisdiction of the FDOT, requires a context classification and lane repurposing study that is approved by FDOT. The project includes coordination with FDOT District 6 and traffic, safety, conceptual design, and stakeholder engagement and is anticipated to be completed by 2022.

**Doral Central Park Traffic Study, Doral, Florida** - Lead Traffic Engineer for the development of the Doral Central Park Traffic Study. Reviewed traffic data collection; performed traffic volume assessment; completed trip generation and distribution; performed intersection analysis with Synchro; roadway segment analysis; project driveway analysis; diagnosed recommended improvements; and, completed documentation.

**Traffic Flow Modification Study at Stillwater Drive and 79 Street, Miami Beach, Florida** - Project Manager for a traffic study that evaluated the repurposing of travel lanes for parking within the City of Miami Beach. This improvement would modify the flow of traffic to one-way operations. Christopher evaluated the traffic data and impacts from this proposed improvement along the roadway segments and intersections.

**Interchange Modification Report (IMR) for SR 84 Eastbound to I-75 Southbound, FDOT District 4, Broward County, Florida** - Deputy Project Manager and traffic engineer responsible for the development of the Interchange Modification Report (IMR), Methodology Letter of Understanding (MLOU), traffic operational analysis, future traffic development, safety analysis, and the conceptual signage master plan. Christopher utilized CORSIM Microsimulation software, Synchro, HCS, and Microstation tools for the project.



## MATT CRIM PE, PTOE

### TRAFFIC IMPACTS STUDIES/IMPACT FEES REVIEW - CONCURRENCY REVIEWS - DEVELOPMENT OF REGIONAL IMPACT STUDIES REVIEWS - NEIGHBORHOOD STUDIES



Matt has 16 years of private and public sector experience in transportation planning/engineering. His technical experience includes arterial and intersection level-of-service analyses, signal timing optimization, signal preemption studies, signal warrant analyses, corridor studies, traffic impact analyses, micro and macro traffic modeling, long-range transportation planning/modeling, land use analyses, access management, traffic calming measures, and parking analyses.

#### RELEVANT EXPERIENCE

**Pine Ridge Road Corridor Congestion Study, Collier County, Florida** - Matt, as Traffic Engineer for this projects, provided traffic engineering services in conducting a congestion study of Pine Ridge Road near I-75. Services included land use analysis, level-of-service analysis of existing and future conditions, development and testing of potential solutions, microsimulation of recommended alternatives, and public involvement. The congestion study consisted of an initial operational analysis of the corridor using Synchro and then a microsimulation analysis of the preferred alternatives using TransModeler. Preferred alternatives included a partial continuous flow intersection (CFI) and jug handle at the Pine Ridge Rd/Livingston Rd intersection, a restricted crossover U-turn (RCUT) at the Pine Ridge Rd/Whippoorwill Ln intersection, and a diverging diamond interchange (DDI) at the Pine Ridge Rd/I-75 interchange.

**Big Bend Road/I-75 Interchange Improvements, Hillsborough County, Florida** - Matt, as Traffic Engineer for this project, prepared an Interchange Operational Analysis Report (IOAR) evaluating developer stipulated improvements to the Big Bend Road and I-75 interchange. The IOAR consisted of performing a complex traffic analysis which included a capacity analysis and micro-CORSIM traffic modeling. The information from this analysis set design criteria for the interchange improvements and the surrounding roadway network.

**West Villages Downtown Traffic Impact Study, North Port, Florida** - Traffic engineer responsible for overall project transportation engineering elements for a mixed-use development consisting of 2,400 residential units, 300,000 square feet of commercial, and 200,000 square feet of office. A traffic impact analysis was performed to determine traffic concurrency including the evaluation of 21 intersections.

**Waterfront District Phase 1 Analysis, Tampa, Florida** - Matt was Traffic Engineer for this Waterfront District project which is a cultural center anchored by Amalie Arena, the History Center, the Convention Center, and Marriott Waterfront in downtown Tampa. Responsible for evaluating the Waterfront District's proposed street network which includes the conversion of one-way street to two-way streets to create a functioning street grid network to maximize connectivity to adjacent major corridors. Synchro was used to evaluate the operation of the proposed street network and establish the appropriate cycle lengths, splits and offsets at the intersections.

**Villages of Amazon South, Manatee County, Florida** - Traffic Engineer responsible for overall project transportation engineering elements for a 1,999 dwelling unit, 40,000 square feet of retail, and 20,000 square feet of office mixed-use development. A transportation impact analysis was performed to determine traffic concurrency and Local Development Agreement support services were provided.

**Hillsborough Community College, New Access Road - Brandon Campus, Hillsborough County, Florida** - Traffic Engineer responsible for project transportation engineering elements. Performed a traffic analysis and traffic signal warrant analysis for the addition of a new campus access road to Falkenberg Road. The traffic analysis included the generation of new traffic distribution and the determination of queue length for turn lanes at the new intersection.

#### YEARS OF EXPERIENCE:

- Stantec: 16
- Other Firms: 0

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- Traffic Studies
- PD&E Studies
- Traffic Impact Assessment
- Traffic Signals and Signage

#### EDUCATION

- Master of Engineering, University of Florida, Gainesville, Florida, 2005
- Bachelor of Science, Civil Engineering, University of Florida, Gainesville, Florida, 2002

#### REGISTRATIONS

- Professional Engineer #68297, State of Florida
- Certified Professional Traffic Operations Engineer #3067, Institute of Transportation Engineers

## JAMIE SNOW

### TRAVEL DEMAND MODELING



Jamie has over 26 years of experience in engineering with governmental agencies. She has coordinated and managed several multimillion dollar transportation projects for various clients; including scheduling, budgeting, and team interaction. She has worked on travel demand forecasting for concurrent projects; both highway and transit, and created training documentation to provide training for forecasting efforts. Her experience includes long range transportation plans, traffic impact studies, corridor planning studies, travel time delay studies, signal warrant analyses, and high accident location studies. Jamie is proficient in the following software programs: Cube Voyager, TP+, Tranplan, TransCAD, TransModeler, STOPS, ArcGIS, Micro Station, and AutoCAD.

#### RELEVANT EXPERIENCE

**Round Lake Road PD&E Study, Lake County, Florida** - Jamie provided oversight and direction to junior staff for the travel demand forecasting efforts on this project. Ms. Snow provided guidance for staff to update the socioeconomic data, zonal structure, and network attributes within the project study area.

**Central Florida Regional Planning Model (CFRPM) 7, FDOT District 5** - Jamie has been directing one of the on-call modeling continuing services contracts (CSC) for the Central Florida area. Through FDOT District 5, the CSCs have been used to create a completely new CFRPM. These efforts include all new components to the four-step model, a GIS-based network system, a GIS Editing Tool (GET), updated forecast years, a STOPS transit model component, additional sub-models for downtown parking and the Orlando International Airport, the implementation of Automated Connected Electric and Shared-Use (ACES), developing a User Guide, Description Report, Validation Report, and data dictionaries, and creating extensive training materials which include a wiki, YouTube training videos, and training webinars.

**Central Florida Regional Planning Model (CFRPM) Action Item Plan, FDOT District 5** - The CFRPM Action Item Plan identified CFRPM needs based on how the MPO/TPOs, DOT and consulting community use the model. Jamie coordinated discussions throughout Central Florida, compiled feedback, presented it to team members, led the discussion to consolidate the improvements, and provided District 5 with an improvement plan.

**Interstate Program Manager, FDOT District 1** - Jamie is the task lead providing travel demand forecasting associated with the District 1 Interstate Program Manager. This project provides support services to help the District deliver their interstate corridor projects. To date, the contract has provided travel demand forecasting services for the I-75 Southwest Connect, Charlotte County Feasibility Study, SR 681 Interchange Justification refresh and the I-4 Corridor Study.

**I-95 Interchange at Pioneer Trail PD&E Study, FDOT District 5** - Jamie completed the travel demand forecasting efforts using the Central Florida Regional Planning Model (CFRPM) for this PD&E study. During this effort, she updated the regional socioeconomic data and the study area zonal structure and network attributes.

**Central Florida Regional Planning Model (CFRPM) Applications Improvement Plan, FDOT District 5** - Project Manager for this project. The proposed CFRPM Action Item Plan became the scope of work for the Applications Improvement Plan. This effort used all three of the local on-call modeling consultant contracts, Leftwich, AECOM, and Kittelson. The work was divided among them to make an initial set of improvements to CFRPM 6.0. The team's initial work efforts were to investigate potential options for new directions to take the model and to develop standards and documentation. The final product is the recently released CFRPM 6.1.

#### YEARS OF EXPERIENCE:

- Stantec: 4
- Other Firms: 22

#### AREAS OF EXPERTISE:

- Transportation Planning
- Transit
- Travel Demand Modeling
- Traffic Engineering

#### EDUCATION

- Bachelor of Science, Civil Engineering, Duke University, Durham, North Carolina, 1994

#### REGISTRATIONS

- Engineer-In-Training #A-15198, State of North Carolina



## ANKITA CHAUDHARY

### TRAVEL DEMAND MODELING



Ms. Chaudhary's primary areas of expertise are travel demand model development, traffic and ridership forecasting, transit ridership estimates, data analytics and survey design. She has experience with Cube Voyager, STOPS, Synchro, and Arc GIS. She has also worked with (Florida's) CFRPM, D1RPM, and SERPM travel demand forecasting models. She has expertise in various programming languages including JAVA, C#, C++, VB, R, Python and data analysis tools such as MS Access, SQL and Excel VBA. She has applied different statistical software packages for research purposes and shows deep understanding of analyzing and interpreting data.

#### RELEVANT EXPERIENCE

#### YEARS OF EXPERIENCE:

- Stantec: 2
- Other Firms: 4

#### AREAS OF EXPERTISE:

- Transportation Modeling
- Traffic Engineering & Operations

#### EDUCATION

- Master of Science, Transportation Engineering, University of Texas at Austin, Austin, Texas, 2014
- Bachelor of Science (B.Tech), Major in Civil Engineering, Minor in Electrical Engineering, Indian Institute of Technology Bombay, Mumbai, India, 2011

**Central Florida Regional Planning Model Version 7, FDOT District 5** - CFRPM is a regional travel demand model used for Long Range Transportation Plans for the area Metropolitan Planning Organizations (MPOs) and Transportation Planning Organizations (TPOs) within FDOT District 5. Ankita is involved in the process to update the CFRPM model to version 7. Transportation Modeler responsible for gathering the necessary documents for the proposal, creating AFP sheets and submitting the proposal package. She has, over the project period, developed multiple task work orders, schedules and budgets for approval from FDOT. The project involves semi-automating the process of updating the traffic counts and seasonal factors for the network, gathering information and professional knowledge to create various input files for the model, and coordinating with multiple sub-contractors under this project and integrating their efforts in the model. Her prime task included creating the CUBE catalog from scratch, scripting new procedures and updating various model inputs and parameters. She is also responsible for adding the seasonal resident logic, and a sub model for Orlando International Airport. Her effort also involves updating the logic at each of the steps (Trip Generation, Trip Distribution, Mode Choice and Highway Assignment) in a traditional 4-step model. She was involved in the framework design of the new Reporting Tool in the CFRPM7 model. Ankita was also part of the comprehensive calibration of the model using FDOT benchmarks.

**Central Florida Regional Planning Model Versions 6.2, FDOT District 5** - Version 6.2 of CFRPM was designed for the I-4 Beyond the Ultimate South Project (1-4 BtU). Transportation Modeler involved in the validation of the CFRPM 6.1-6.2 model. The task involved reviewing the input files, reviewing the results against the FDOT benchmark, finding the root cause for the unreasonable metrics, and locating the gaps in the current model. The efforts contributed to development of the new CFRPM version 6.2 to reflect the travel characteristics within the I-4 Beyond the Ultimate South Project (1-4 BtU). Ankita was also responsible for gathering the required data for validation efforts, updating the inputs in the model (as needed), running the model and creating the analysis reports for the team review.

**Forecast Database, Orlando, Florida, FDOT District 5** - This study was designed to analyze the accuracy for the Florida District 5 project traffic forecasts. Transportation Modeler involved in the creation of a database to evaluate the forecasting accuracy in the Equivalent Single Axle Load (ESAL) reports. The project involves analyzing the archived ESAL reports, developing and populating the FORECAST database and forming SQL queries for analyzing accuracy of the traffic forecasts. The project also included automating the process of uploading counts into the database.

**Volusia County Transit Connector, Volusia County, Florida, FDOT District 5** - Transportation Modeler who provided technical support and contributed to the forecasting efforts on this multi-modal corridor project. The primary goal of this connector study is to evaluate modes and alignments that could be utilized to connect the Daytona Beach area to the northern-most section of Orlando's new commuter rail line, SunRail.

## RICHARD PASCOE GISP

### GIS SPECIALIST - TRANSIT DEVELOPMENT PLAN UPDATE



Richard is a Transportation Planning Project Manager with 19 years of planning, GIS, and project management experience with various local, state, and federal agencies. Most of his background lies in the transportation sector, providing technical services for long-range transportation planning, public transportation planning, autonomous vehicle studies, land use planning, environmental studies, and asset management. Richard's technical skills include travel demand modeling, origin-destination analysis, comprehensive planning, traffic planning, computer programming, database development, cartography, and GIS implementation.

#### RELEVANT EXPERIENCE

**Sarasota-Manatee Barrier Island Traffic Study, FDOT District 1** - Senior Planner tasked with analyzing crash data along the project network to identify crash "hot spots" for use in determining areas and times of day where traffic accidents may cause additional delays in traveling between the barrier islands and mainland. The study identified multimodal transportation options for accessing the Sarasota-Manatee barrier islands to alleviate traffic congestion.

**BRT Corridor Alternatives Analysis, Hillsborough Area Regional Transit** - Developed a demographic analysis model in ArcGIS Model Builder used to determine corridors suitable for bus rapid transit or premium transit service. The model accepted inputs from multiple demographic data sources such as Census and transportation Z-data and identified areas with high transit trip propensity based on dwelling unit density, employment density, and other characteristics.

**North Manatee Elementary School Traffic Impact Analysis, School District of Manatee County** - Traffic Planner responsible for the complete traffic analysis of a new 800 -student elementary school in Parish, North Manatee County. Activities included trip generation; use of traffic modeling software and the FDOT LOS Volume tables to analyze existing conditions, future conditions, background traffic conditions, identification of background and developer improvements, and a multimodal conditions assessment.

**New Manatee High School Traffic Impact Analysis, School District of Manatee County** - Traffic Planner responsible for the complete traffic analysis of a new 2,000-student high school in Parish, North Manatee County. Activities included trip generation; use of traffic modeling software and the FDOT LOS Volume tables to analyze existing conditions, future conditions, background traffic conditions, identification of background and developer improvements, and a multimodal conditions assessment.

**Miami-Dade MPO Freight Maps, Miami-Dade MPO** - Developed a series of seven maps depicting freight networks, freight-oriented land use, and intermodal facilities. The mapping involved data development and analysis to determine future freight land uses and propensity.

**Chamblee Shared Autonomous Vehicle Feasibility Study, Chamblee, Georgia** - GIS Specialist for the shared autonomous vehicle corridor implementation study for Peachtree Road in Chamblee, GA. The study consisted of field data collection incorporation of CAD design drawings and a detailed corridor study was prepared including a full report and operational analysis. Richard prepared the data collection methodology and platform on ArcGIS Online and Collector for ArcGIS. Richard also converted the streetscape design plans to GIS format to created figures for the report.

#### YEARS OF EXPERIENCE:

- Stantec: 5
- Other Firms: 14

#### AREAS OF EXPERTISE:

- Traffic Studies
- Travel Demand Modeling
- Transportation Planning
- Geographic Information Systems
- Asset Inventory & Management

#### EDUCATION

- Master of Arts, Geography, University of South Florida, 2008
- Bachelor of Fine Arts, University of South Florida, 2001

#### REGISTRATIONS

- Geographic Information Systems Professional (GISP) #00060828, Geographic Information Systems Certification Institute, Tampa, Florida, 2010

## ELIZABETH BEAM AICP

### PD&E STUDIES



#### YEARS OF EXPERIENCE:

- Stantec: 2
- Other Firms: 31

#### AREAS OF EXPERTISE:

- Transportation Planning
- PD&E Studies

#### EDUCATION

- Master of Science, Drexel University, Philadelphia, PA, 1993
- Bachelor of Arts, Urban and Regional Planning, University of Illinois, Urbana-Champaign, Illinois, 1984

#### REGISTRATIONS

- American Institute of Certified Planners Certified Planner #013384

Elizabeth Beam joins Stantec as Senior Transportation Planner with more than 26 years experience in transportation infrastructure development and multimodal planning. Based in Southwest Florida, Beth has been responsible for transportation planning and environmental projects including National Environmental Policy Act (NEPA) activities and the documentation for the FDOT Project Development & Environment (PD&E) process for Districts 2, 3, 4, 5, and 7 and is familiar with management of documentation in FDOT SWEPT. She has prepared and completed Environmental Impact Statement (EIS)/Environmental Assessment (EA) for projects located in LA, TX, TN, PA, and NJ including regulatory agency coordination at federal, state, and local level. Beth has been involved in completing compliance audits and Phase I/Phase II Environmental Site Assessments. Her public outreach efforts include public meeting coordination, presentation development, flyer / newsletter design and production.

#### RELEVANT EXPERIENCE

**I-75 Central Corridor Master Plan, Interstate Program Management, FDOT District 1** - Task Leader for the master plan study intended to provide enough analysis and documentation to determine capacity, operating conditions, and needs along I-75 within the project limits. The results of the analyses will allow District 1 to make decisions regarding solutions and time frame for the implementation of improvements. The feasibility study will include an assessment of potential impacts and benefits to the social, economic, cultural, natural, and physical environments, engineering challenges, and project costs for use in subsequent Project Development and Environment (PD&E) studies or potential minor improvements that could be addressed in the short term.

**Continuing Services for PD&E Studies Consultant, Orlando, Florida's Turnpike Enterprise** - Task Manager for this task work order contract, providing support with PD&E studies for FTE, including public involvement, and engineering and environmental analysis and reports. Currently assisting in the preparation of the US 27 Feasibility Study from SR 60 to US 192 and Alternative Alignments Study in Polk County which provides a conceptual design analysis and preliminary environmental evaluation for the implementation of limited access general toll lanes while maintaining local access. Also, providing support on the Glades Road PD&E Study.

**SR A1A Sebastian Inlet Bridge – Bridge 80005 – Bridge Replacement PD&E Study, Indian River and Brevard Counties, FDOT District 4** - Project Manager for replacement of the historic Sebastian Inlet Bridge crossing the Sebastian Inlet at the Indian River and Brevard County boundary. The project area is located immediately adjacent to the Sebastian Inlet State Park. Responsible for multiple agency coordination which includes the US Coast Guard for bridge clearance determination, the Sebastian Inlet District for ROW easement coordination, the Sebastian Inlet State Park, and State Historic Preservation Office for Section 4(f) and historic resources (bridge is NRHP eligible). Efforts include advanced land and water based geotechnical investigations, wetlands and habitat, Section 4(f) resources, Section 106 activities and virtual and hybrid public engagement activities.

**Florida's Turnpike Enterprise (FTE) Public Involvement Support | Widen Turnpike (SR 821) from US 1 (south of Palm Drive) to Campbell Drive PD&E Study, Miami-Dade County, Florida** - Task Lead to provide Public Involvement Support to FTE for all activities necessary to hold or participate in small group meetings such as project area business owners, local agency, and public meetings for widening of Florida's Turnpike for 3 miles, ramp improvements, and intersection improvements at Palm Drive and US 1. The PD&E Study includes a potential new interchange at Lucy Street and SW 328th Street.

## ROBERTO GUTIERREZ PE

### PD&E STUDIES



Roberto has over 17 years of experience and has been Project Manager, Deputy Project Manager, Engineer of Record and Project Engineer on several Project Development and Environment (PD&E) Studies and Transportation Planning Studies. He also has design experience with a variety of structures, including design of conventional bridges, retaining walls, highway sign structures, stadiums, commercial, educational, hospitality retail and mixed-use buildings. His roadway experience involves roadway geometry.

#### RELEVANT EXPERIENCE

**SR 9/I-95 from South of SR 870/Commercial Blvd to North of Cypress Creek Rd PD&E Study, FDOT District 4** - Deputy Project Manager for this study. The primary need of the project is to increase capacity on I-95, the interchanges at Commercial Blvd and Cypress Creek Rd and the adjacent intersections to both interchanges. The project is intended to improve safety within the vicinity, including access to I-95 and the adjacent arterial intersections. Secondary considerations for the purpose and need of this project include system linkage, modal interrelationships, transportation demand, social demands and economic development, evacuation, coordination with adjacent projects and to build consensus via Public Involvement.

**SR 836 Southwest Extension PD&E Study from NW 137 Avenue to SW 136 Street, Miami-Dade Expressway Authority** - Project Engineer for this Environmental Impact Statement. This project proposes a new transportation corridor (+/- 15 Miles) extending SR 836 in the southwest region of Miami-Dade County. The project is envisioned as a 4-lane limited access, tolled facility that will provide better mobility, connectivity and enhanced accessibility. Several alternatives in different corridors will be considered and evaluated through the Alternative Corridor Evaluation (ACE) process. The project is a complex mosaic of natural, cultural and community features. A comprehensive Public Involvement Plan (PIP) is being carried out to involve concerned stakeholders including engaging an Environmental Forum (agencies / environmental groups); Citizens Advisory.

**SR 934 NE/NW 79th Street and NE/NW 81st/82nd Street Form NW 13th Court to N Bayshore Drive, Miami, Florida** - Deputy Project Manager for preparation of a Type 2 CE. This study involved a three-mile, six-lane, one-way pair system in a highly urbanized section of Miami-Dade County. The study considered conversion of the existing one-way pair to two independent bi-directional facilities. The Department's Livable Communities Initiative, extensive Traffic Analysis Program and development of alternatives to comply with tight R/W restrictions were major factors in this study. This study included a complex Public Involvement Program.

**PD&E Study for the Widening of the Sawgrass Expressway (SR 869) from South of Sunrise Boulevard to South of US-441 / SR 7, Florida's Turnpike Enterprise (FTE)** - Project Engineer for this study of this 18 mile section of the Sawgrass Expressway. The purpose of this study is to increase capacity and travel time reliability through the incorporation of dynamically priced tolled express lanes within the existing tolled limited access highway. An evaluation was conducted with General Purpose Toll Lanes plus Dynamically Priced Tolled Express Lanes. In addition, operational and/or capacity improvements were evaluated at seven service interchanges. These included evaluating alternative interchange types such as modified Tight Urban Diamonds (TUDI), Full and Partial Diverging Diamond Interchanges (DDI), Single Point Urban Interchanges (SPUI), Roundabout Interchanges and Directional Interchanges. This study is the first project FTE conducts under the new State-Wide Acceleration Transformation (SWAT) process which streamlines opening concurrence on the State Environmental Impact Report.

#### YEARS OF EXPERIENCE:

- Stantec: 6
- Other Firms: 11

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- PD&E Studies

#### EDUCATION

- Bachelor of Sciences, Civil Engineering, Florida International University, Florida, 2003

#### REGISTRATIONS

- Professional Engineer #71043, State of Florida
- Professional Engineer #0402062254, State of Virginia



## CARMEN MONROY

### TRANSIT DEVELOPMENT PLAN UPDATE



Carmen brings 38 years of planning experience to her position as senior transportation planner and analyst in Florida. Her career has taken her from local city planning efforts managing grant compliance and city, state, and federal affordable housing programs to FDOT Director of Policy Planning. As Director, she provided oversight for the planning and development of public policy areas including management of the Metropolitan Planning Program, Florida's Strategic Intermodal Systems Policy Plan, the Florida Transportation Plan, public engagement, economic analysis, development of trends and conditions reporting, future corridors, community planning and air quality and demographic analysis. Carmen currently leads several public engagement strategies, working to build consensus and develop meaningful community engagement.

#### YEARS OF EXPERIENCE:

- Stantec: 2
- Other Firms: 36

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic and Transportation Funding

#### EDUCATION

- Business Analytics, Harvard University, Boston, Massachusetts, 2020
- Master of Public Administration, Florida Gulf Coast University, Fort Myers, Florida, 2009
- Bachelor of Sciences, Human Resources Management, Barry University, Miami Springs, Florida, 1995

#### CERTIFICATIONS & TRAINING

- Transit Manager Certificate Program, University of South Florida, Center for Urban Transportation Research (CUTR), Tampa, Florida, 2014
- Certified Professional Public Manager, Florida State University, Tallahassee, Florida, 2018
- FL Certified Contract Manager, State of Florida Department of Management Services, Tallahassee, Florida, 2020

#### RELEVANT EXPERIENCE

**Transportation Planning Support, Capital Project Planning – Impact Fees – Program Management, Collier County, Florida** - Project Manager responsible for providing on-site assistance and support in all areas related to transportation planning.

**Rosa Parks Transportation Center Redesign, Lee County Transit - LeeTran, Lee County, Florida** - Served as project liaison coordinating all disciplines to guide site redesign and redevelopment.

**Transit Development Plan & Comprehensive Operational Analysis, Lee County Transit - LeeTran, Lee County, Florida** - Project Manager who conducted high-value interviews and assessment of key stakeholders to inform long range transit plans.

**Long Range Plan Support, Miami-Dade County, Florida, FDOT District 6** - Technical Support/MPO Liaison who assisted District with plan reviews, compliance documents and other data and information related to long range plans, performance objectives and MPO oversight.

**FDOT Rural Planning Process, FDOT, Statewide, Florida** Project Manager responsible for documenting rural planning processes and assessing statewide outcomes, including documenting formal and informal outreach efforts, collaborative work products and interface with metropolitan and urban areas. Final report included a study of best practices from other states, highlighted the role of regional planning councils and documented opportunities for rural planning. The project included a national peer exchange funded by Federal Highway Administration.

**Fort Myers Beach Transit Study, City of Fort Myers Beach, Florida** - Transportation Planner who conducted advance work to study transportation infrastructure needs to improve traffic congestion along Estero Boulevard leading to Fort Myers Beach. Worked with Town Council, identified stakeholders, conducted public outreach, visioning session and initial PD&E working sessions.

**I-75 Relief Task Force, Statewide, Florida** - Policy Planning representative and Task Force Liaison assisting members to form recommendation on the development of future corridors, address transportation goals within the region and developed Guiding Principles. Collaborated with state agencies, local governments, RPS, local landowners, environmental groups, business interests and the public to develop consensus recommendations.

**Metropolitan Planning Organization Advisory Council, Statewide, Florida** - Established and led Leadership Team, organizing and scheduling working sessions with FDOT staff to address issues, concerns and conflicts, building consensus with MPOAC executive committee. Developed memorandum of agreement and consensus documents to address coordination with implementation of performance measures and MAP21 requirements.

## SASHA PEJCIC PMP

### TRANSIT DEVELOPMENT PLAN UPDATE



#### YEARS OF EXPERIENCE:

- Stantec: 5
- Other Firms: 15

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- Mobility Management
- Transit Operations
- Safety Reviews
- Master Planning

#### EDUCATION

- Bachelor of Arts, Honors Economics – Finance Specialization & Applied Studies – Human Resources Management Specialization, Co-Op Program, University of Waterloo, Waterloo, Ontario, 2003

#### REGISTRATIONS

- Project Management Professional (PMP)® #1306473, Project Management Institute

Sasha has 19 years of experience and is a managing principal and lead of Stantec's transit advisory practice. As a management consultant, Sasha helps transit agencies rationalize their services to grow ridership, improve customer satisfaction, and maximize cost efficiencies. Sasha has led a broad portfolio of assignments that include operations and maintenance (O&M) contracting, service optimization, service planning, transit master planning, alternative service delivery strategies, paratransit, new technologies, asset management, economic analysis and strategic planning.

A demonstrated leader in transit, Sasha is an alumnus of ENO. He proudly serves as a Director of the Board for the Ontario Public Transit Association, sits on the Executive Committee of the Institute of Asset Management (IAM), and is involved with numerous industry committees of APTA, CTA, CUTRIC and CUTA. Sasha was recently appointed to the Zero Emission Bus (ZEB) Task Force for the California Transit Association. A testament to his dedication and love for the industry, Sasha was named one of Mass Transit's Top 40 Under 40 for 2018.

Sasha approaches assignments with fresh perspective that challenge the status-quo. He believes it is important to achieve a healthy balance of vision and reality in projects since overly optimistic 'blue-sky' thinking could quickly become defeatist if not the recommendations are not implementable. At the core of Sasha's approach is the customer. The transit industry is being challenged to keep its riders considering competing market disruptors; Sasha is devising strategies for transit agencies globally to reinvent themselves to remain relevant and prosper in the mind of the customer.

#### RELEVANT EXPERIENCE

**Regional Transit Plan for the Antelope Valley, Lancaster, California** - Project Manager and Technical Resource developing a regional transit plan for the Antelope Valley Transit Authority (AVTA) that will increase ridership and customer satisfaction in the Antelope Valley. Our review includes both local routes and commuter routes to Los Angeles. Exhaustive 360-degree review of the agency including routing, technology, capital infrastructure, fleet, and marketing. Outlining plan for the introduction of microtransit services to replace conventional fixed route in low density areas of the Antelope Valley.

**Operational Review of TTC Service Delivery Group, TTC, Toronto, Ontario** - Project Manager and Technical Resource for \$1M on-call assignment to review the operational effectiveness and efficiency of TTC's service delivery group. Task Assignments Include: Support of Corporate Camera Strategy & Delivery Project. Stantec is developing a roadmap outlining the TTC's approach for the deployment of agency-wide closed-circuit television cameras (CCTV). In addition, developing 13 individual business cases in support of the outlined roadmap to justify the investment, identify the payback period to identify the cost/benefit relationship.

**Winnipeg Transportation Master Plan, Winnipeg, Manitoba** - Co-Project Manager and Technical Resource developing a future-proofed short term and 20-year long-range master plan for Winnipeg Transit. This \$2.6M all-encompassing study includes, but is not limited to, routing optimization for 550 buses, development of service layers, battery electric bus (BEB) transition plan, technology review, alternative service delivery strategy, marketing review and paratransit review.

**Transit Master Plan, Whitehorse Transit, Whitehorse, Yukon** - Project Manager and Technical Resource who developed a 6-year transit master business plan that will pivot Whitehorse Transit into a future mobility provider. Exhaustive 360-degree review of the agency including routing, technology, capital infrastructure, fleet, and marketing. Outlined plan for the introduction of micro-transit services to replace conventional fixed route in low density areas of the city.



## SAM WILLIAMS PE

### ARTERIAL ANALYSIS - TRAFFIC SIGNALS WARRANTS ANALYSIS



Sam Williams is a Transportation Engineer with 7 years of experience in traffic analysis and safety analyses. Most of his project work has been in the realm of traffic microsimulation modeling, using software packages such as VISSIM, TransModeler, and Synchro. He has extensive experience analyzing and proposing innovative/alternative intersections and interchanges in a variety of contexts. He has worked on projects ranging in size and complexity from a single, simple intersection study up to an analysis of several miles of freeway and arterials incorporating passenger, pedestrian, and transit operations.

#### RELEVANT EXPERIENCE

**US 27 at I-4 Analysis, FDOT District 1** - Performed VISSIM analysis of several alternatives along US 27 at I-4 with the goal of reducing right of way impacts, reducing project construction cost, improving constructability, and maintaining or improving traffic operations. This corridor experienced heavy demand, requiring the analysis of innovative/alternative intersections and interchanges to provide adequate operations. The selected alternative proposed provided improvement on all comparison metrics.

**Fatal Slip Crash Analysis, Various Locations, North Carolina** - Responsible for reviewing intersection and strip crash analyses prepared by Stantec for NCDOT's Traffic Safety Unit. This involves the use of NCDOT's TEAAS software and their crash report database. Each analysis includes a section or intersection report along with supporting documentation such as roadway feature reports, ADTs, and mapping.

**US 64 Capacity Analysis, Cary/Apex, North Carolina, NCDOT** - Performed regional travel pattern analysis using passive Bluetooth data. Developed TransModeler models for no-build geometry as well as three build alternatives. Coordinated with roadway group to determine the appropriate characteristics of the network, such as storage lengths and number of lanes. Participated in public involvement hearing and spoke with/ addressed concerns of members of the public. Prepared report detailing analysis findings and recommended improvements.

**I-526 Corridor Study, Charleston, South Carolina** - Performed VISSIM microsimulation analysis of I-526 and I-26 around Charleston. This project included the development and calibration of an existing conditions model and several No-Build and Build scenarios. Additionally, multiple interchange alternatives were analyzed individually to determine the most optimum design before being included in the complete model. Close coordination with SCDOT representatives was critical in determining the final recommended design at several locations along the project. Output data was collected from the simulations models and the results were compiled and presented to compare the proposed Build designs. For several interchanges along the corridor, the preferred alternative recommends innovative build concepts.

**Hampstead Bypass Study, Hampstead, North Carolina** - Modeled and analyzed in TransModeler the existing and proposed scenarios for the bypass as well as US 17 through the city limits. Coordinated with the roadway design group to determine the project limits and recommended improvements, as well as with the project manager to ensure that the project schedule was met with regards to the completion of the traffic analysis tasks. In addition to the proposed bypass, this project included the conversion of US 17 from a conventional corridor to a superstreet. Prepared a technical report comparing the operations of several build alternatives and the supporting documentation included in the package submitted to the client. Assisted in the development of a 3D animation showing the proposed design.

#### YEARS OF EXPERIENCE:

- Stantec: 7
- Other Firms: 0

#### AREAS OF EXPERTISE:

- Transportation Simulation & Operation
- Traffic Safety
- Traffic Impact Assessments
- Traffic Signal Design

#### EDUCATION

- Bachelor of Science, Civil Engineering, North Carolina State University, Raleigh, North Carolina, 2014

#### REGISTRATIONS

- Professional Engineer #045957, State of North Carolina

## KELLIE REEP PE

### ARTERIAL ANALYSIS



#### YEARS OF EXPERIENCE:

- Stantec: 12
- Other Firms: 0

#### AREAS OF EXPERTISE:

- Transportation Planning
- Transportation Simulation & Operation
- Traffic Impact Assessments
- Traffic Signal Design
- Capacity Analysis

#### EDUCATION

- Bachelor of Science, Civil Engineering, North Carolina State University, Raleigh, North Carolina, 2009

#### REGISTRATIONS

- Professional Engineer #040788, State of North Carolina (2013)
- Professional Engineer #78277, State of Florida (2014)
- Professional Engineer #58255, State of Virginia

Kellie has 12 years of professional experience in the field of transportation engineering and has performed traffic analyses for a wide variety of projects, including freeway and arterial corridor studies, design-build projects, Traffic Impact Analyses (TIAs), and multi-modal planning projects. She is proficient with microsimulation modeling, capacity analysis, safety analysis, and signal design. Kellie has been involved in several large corridor studies throughout North and South Carolina, several of which involved the development and analysis of alternative intersection designs. Additionally, she has extensive experience with VISSIM, TransModeler, Synchro.

#### RELEVANT EXPERIENCE

**NC 150 Corridor Study, Mooresville, North Carolina** - As part of the Environmental Assessment, Kellie, as Traffic Engineer, managed staff and assisted in making recommendations along a highly congested 15-mile section of the NC 150 corridor through Catawba and Iredell Counties. Improvements along the corridor included widening and converting the existing traditional intersection corridor to a series of superstreet intersections. Due to the high volumes on this corridor and tremendous growth in the area, alternative intersection designs were evaluated and eventually recommended. Some of the concepts studied include a continuous flow intersection (CFI), a diverging diamond interchange (DDI) at I-77, roundabouts, and unconventional superstreet configurations.

**U-2823 US 70 (Glenwood Avenue) Corridor Study, Raleigh, North Carolina** - Kellie served as traffic engineer for the capacity analyses required for the NEPA study to widen US 70 (Glenwood Avenue) from four to either six or eight lanes through Raleigh, NC. This heavily congested corridor is expected to carry 75,000 – 80,000 vehicles per day (vpd) with side streets that are projected to carry as many as 25,000 vpd. This study evaluated traditional intersections and alternative designs and utilized different measures of effectiveness to allow for comparison of the two alternatives. The results from Stantec's capacity study were used to develop preliminary designs for public hearings as part of the NEPA process.

#### **I-526 Corridor Study and VISSIM Microsimulation Model, North Charleston, South Carolina**

Served as the lead analyst for a congested 9-mile stretch of I-526 in Charleston, SC. The microsimulation model, VISSIM, was used as the primary analysis tool for this project. Kellie was responsible for building base model and future year networks, including adding parking lots, nodes, entering signal timing, priority rules, and assisting in overall calibration of the base model. She also prepared models for existing and two future year scenarios for presentation to SCDOT. She analyzed various design year improvements, including a single point urban interchange (SPUI), a compressed diamond interchange, a bowtie interchange, and a directional crossover diamond (DCD) interchange.

**Stonewall Street Complete Street Feasibility Study, Charlotte, North Carolina** - Kellie led the effort to evaluate the feasibility of a complete street and multi-modal enhancements along a seven-block section of Stonewall Street in Uptown Charlotte. The section of roadway is also home to at least nine proposed or under-construction large, new mixed-use developments or re-developments. She evaluated impacts to vehicular operations and multi-modal implications as part of the study, while considering maximum safety for all users.

**Whiskey Road Complete Streets Corridor Study, Aiken, South Carolina** - Whiskey Road is an important connection between Aiken, New Ellenton, and the Savannah River Nuclear Site. Carrying up to 20,000 cars per day, this is one of the busiest and most dangerous roads in the region. The corridor is plagued by safety concerns, congestion, access management issues, and inadequate stormwater drainage. Kellie led the traffic analysis effort for this project.

## DESIR JACQUES PE

### PRELIMINARY ENGINEERING PLANS



#### YEARS OF EXPERIENCE:

- Stantec: 22
- Other Firms: 1

#### AREAS OF EXPERTISE:

- Transportation Planning
- Traffic Engineering & Operations
- PD&E Studies

#### EDUCATION

- Master of Science in Civil Engineering, Florida International University, Miami, Florida, 2005
- Bachelor of Science in Civil Engineering, Florida International University, Miami, Florida, 1998
- Bachelor of Science in Economics, Haitian State University of Economy, Port-au-Prince, Haiti, 1991

#### REGISTRATIONS

- Professional Engineer #62453, State of Florida
- Professional Engineer #PE031556, State of Georgia

Desir has over 23 years of experience including producing various types of design, construction plans, and reports such as Typical Sections Analysis Memo, Existing Conditions & Design Analysis Report, Alternatives Analysis Report, Project Development Summary Report, Pond Siting Stormwater Management Report, and Preliminary Engineering Report for many FTE PD&E Studies. Having served as Senior Project Engineer and/or Deputy Project Manager on several PD&E studies for FTE, such as HEFT from SR 874 to SR 836, HEFT from SR 836 to East of NW 57th Avenue, and Sawgrass Expressway from South of Sunrise Boulevard to South of US-441, has allowed Desir to gain insights on FDOT practices and preferences. Additionally, he was with the FDOT District 6 traffic safety program and has been a transportation planner, roadway, drainage and bridge designer, and project manager on several roadway projects and planning, scoping, safety and project development and environment (PD&E) studies for the FDOT and various local governments statewide.

#### RELEVANT EXPERIENCE

**SR 46 (Palm Bay Road) Sidewalk Addition, Brevard County, Florida, FDOT District 5** - Project Engineer for the preparation of Roadway plans for the addition of 0.3 miles of sidewalk along SR 516 as well as minor drainage modifications.

**SR-500 & SR-518 Causeway Repairs, Brevard County, Florida, FDOT District 5** - Project Engineer responsible for the preparation of shoreline protection plans. Prepared wind-wave study and all necessary permits required for the installation of an articulating block and gabion drainage mattress protection system. For the SR-518 Causeway, Desir prepared a repair scheme for rehabilitation of an existing seawall. Other responsibilities included utility coordination services for the preparation of relocation schedules and relocation agreements.

**SR 500 (US 192) Widening & Reconstruction, Osceola County, Florida, FDOT District 5** - Project Engineer and production coordinator for the design of the reconstruction and widening from 4 to 6 lanes of a 6.8-mile segment of SR 500. Responsibilities included access management study and drafting of report, coordinating with surveyor, responding to the FDOT phases' comments, preparing computation books and executing all Geopak activities including writing criteria for cutting cross sections, and various CADD tasks using Microstation J.

**SR 500 (US 192) Widening & Reconstruction, Osceola County, Florida, FDOT District 5** - Project Engineer and production coordinator for the design of the reconstruction and widening from 4 to 6 lanes of a 6.8-mile segment of SR 500. Responsibilities included access management study and drafting of report, coordinating with surveyor, responding to the FDOT phases' comments, preparing computation books and executing all geopak activities including writing criteria for cutting cross sections, and various CADD tasks using Microstation J.

**SR 50 (West Colonial Drive), Lake and Orange Counties, Florida, FDOT District 5** - Project Engineer for the reconstruction and widening of 5.4 miles of roadway. Project includes drainage analysis using ICPR technology, and production of drainage plan sheets using ASAD technology

**Districtwide Project Development and Environment (PD&E) Contract, FDOT District 6** - Project Manager for this districtwide PD&E contract - This contract includes the performance of minor PD&E studies, planning, safety, scoping studies. It also includes the review of environmental and engineering reports and roadway plans. Task Work Orders are issued by the Department as needed.

## HEATHER GRUBERT PE

### PRELIMINARY ENGINEERING PLANS



Heather is an experienced engineer with 21 years of project experience who just recently joined Stantec. She previously served as a Project Development Engineer at FDOT District 5 where she supervised PD&E project managers and in-house consultants, was responsible for determining workload for PD&E, created schedules for PD&E projects, and managed contracts assigned to consultant firms. Her work as a drainage engineer on a variety of transportation projects throughout Florida have included the design of primary and secondary drainage systems, temporary drainage, erosion control, pond siting, location hydraulics, and environmental resource permitting for review and approval by various state water management districts and federal agencies. Prior to joining the firm, her role as a project manager and drainage engineer on numerous projects has complimented her responsibility as senior drainage engineer.

#### YEARS OF EXPERIENCE:

- Stantec: 1
- Other Firms: 21

#### AREAS OF EXPERTISE:

- Transportation Planning
- PD&E Studies
- Drainage Design & Permitting

#### EDUCATION

- Bachelor of Science, Civil Engineering, University of Central Florida, Orlando, Florida 2002

#### REGISTRATIONS

- Professional Engineer #65082, State of Florida

#### RELEVANT EXPERIENCE

**I-4 at US 27 Interchange, Polk County, Florida, FDOT District 1** - Project Manager for this project involving the redesign of the interchange in order to reduce costs so that it could be constructed with current funding. The interchange had been previously designed under the I-4 Beyond the Ultimate project which had included adding express lanes to I-4 and widening US 27 from four lanes to six lanes. The redesign included widening US 27 and adding a backage road that would improve interconnectivity among the businesses along US 27. The team presented multiple innovative interchange alternatives that ultimately reduced the construction costs by half and significantly reduced right of way impacts.

**US-1 at the Moorings, Palm Beach County, Florida, FDOT District 4** - Senior Drainage Engineer responsible for drainage system design to determine a solution to alleviate the flooding along northbound lanes of US-1.

**SR 91 Widening Turnpike Mainline from SR 50 to Minneola, Orange & Lake County, Florida, Florida's Turnpike Enterprise** - Senior Drainage Engineer responsible for temporary drainage analysis and design.

**I-4 Beyond the Ultimate, Polk, Osceola, Orange, Seminole, and Volusia Counties, Florida, FDOT District 5** - Managed all five design segments. Project includes express lanes.

**I-95 at Pioneer Trail PD&E Study, Volusia County, Florida, FDOT District 5** - Project Manager for the PD&E Study to add a new interchange with I-95.

**St. Johns River to Sea (SJR2C) Loop at US 1, Volusia County, Florida, FDOT District 5** - Project Manager for the PD&E Study for a multi-use trail along US 1 through three cities.

**I-4 Beyond the Ultimate PD&E Study, Polk, Osceola, Orange, Seminole, and Volusia Counties, Florida, FDOT District 5** - Lead Drainage Engineer responsible for the design of the wet detention and dry retention ponds, cross drain analysis, floodplain compensation, Pond Siting Report and Location Hydraulics Report. Project includes express lanes.

**Taft-Vineland Road and General Drive Improvements, Orange County, Florida, Orange County Public Works Department** - Drainage Engineer of Record responsible for the design and permitting of the stormwater system, which includes wet detention ponds, floodplain compensation, storm sewer design, ditch design and cross drain analysis. This project involved widening Taft-Vineland Road from a two-lane rural roadway to a four-lane urban roadway from Orange Blossom Trail to Orange Avenue and extending General Drive from south of Taft-Vineland Road to Thorpe Road.

## ROSS SHILLINGFORD PE, PTOE

### TRAFFIC SIGNAL DESIGN - INTERSECTION DESIGN, SIDEWALK, STREET LIGHT STUDIES, & DESIGN



Ross is a decisive team leader with 26 years of experience in design management and of a variety of transportation projects for FDOT, Florida's Turnpike and other municipalities in South Florida. Ross has served as the project manager or senior signalization engineer/engineer of record on a range of interstate, arterial, and collector roadway projects. His broad technical experience and training includes highway design, lighting, signing and pavement marking, traffic signalization, work zone traffic control and utility coordination.

#### RELEVANT EXPERIENCE

**SR 115 (Southside Blvd) at Gate Pkwy Intersection Improvements, Duval County, Florida** - Project Manager and Lighting QC for the design of intersection improvements that involve reconstructing a heavily congested conventional intersection as a displaced left-turn intersection. Additional improvements included adding a NB and SB auxiliary lane on SR 115 between SR 202 (J. Turner Butler Blvd) and Gate Pkwy. Services included roadway, drainage, permitting, misc. structures, signing & markings, signalization, ITS, survey, mapping, and geotechnical investigations.

**SR 580 / Hillsborough Avenue from West of Silvermill Drive to East of Lagoon Street, Hillsborough County, FDOT District 7** - Ross is the Lighting Engineer of Record responsible for the design of a new lighting system for this major urban 6-lane arterial in Tampa, Florida. The project involved extensive coordination with the Tampa Electric Company to provide joint use lighting to supplement the FDOT system.

**I-95 Express Lanes Phase 3B Design/Build RFP Criteria Package, Palm Beach County, FL, FDOT District 4, Palm Beach County, Florida** - Ross is the Lighting Engineer of Record responsible for the conceptual lighting design of this interstate project. The project involves retrofit of the existing median barrier mounted lighting system with LED fixtures supplemented by new LED light poles.

**SR 732/Jensen Beach Causeway, Jensen Beach, Martin County, Florida** - Ross was the Project Engineer for the decorative lighting design of the Frank A. Wacha Bridge and two relief bridges. Included lighting design for adjacent county park boat ramps and fishing piers, and the aesthetic lighting of the main bridge piers.

**SR 817/University Drive from SW 30th Street to SR 84/I-595 Interchange, Davie, Florida** - Ross was the Project Engineer for the design and plans preparation for the widening and resurfacing of one mile of the six-lane urban arterial including signing and pavement marking, lighting, and the design of six major signalized intersections.

**Waterfront District Traffic Signals, Tampa, Florida** - Ross is the Signalization Engineer of Record for a number of new traffic signals in the Waterfront District in downtown Tampa including Channelside Drive at Morgan St., Channelside at Jefferson St., Channelside at Nebraska St., Channelside at Old Water St., Channelside at Meridian Ave., Brorein St. at Morgan St., Cumberland Ave. at Jefferson St., Cumberland Ave. at Nebraska Ave., and Cumberland at Old Water St.

**Transit Greenway Conceptual Master Plan, Fort Pierce, Florida** - Project Engineer for this project that included the preparation of typical sections and route alternatives for a municipal transit and alternative transportation system including trolleys and ferries in the downtown and surrounding marina/port area and involved the determination of right-of-way requirements, construction and operating costs and potential revenue estimates.

#### YEARS OF EXPERIENCE:

- Stantec: 10
- Other Firms: 16

#### AREAS OF EXPERTISE:

- Roadway Design
- Traffic Operation
- Signalization Improvements

#### EDUCATION

- Bachelor of Science in Environmental Engineering, University of Central Florida, Orlando, Florida, 1994

#### REGISTRATIONS

- Professional Engineer #56901, State of Florida
- Certified Professional Traffic Operations Engineer #4140, Transportation Professional Certification Board



## JANETTE OLIVEROS PE

### TRAFFIC SIGNAL DESIGN - INTERSECTION DESIGN, SIDEWALK, STREET LIGHT STUDIES, & DESIGN



Janette has over 11 years of experience in transportation design and plans production. Janette's experience includes preparation and design of roadway plans, roadway geometrics, drainage, signing and pavement markings, signalization, lighting, pavement design, MOT, and utility coordination, as well as extensive experience in MicroStation, Geopak, Quantity Manager, FDOT Digital Delivery, GuidSign, and AutoTurn.

#### RELEVANT EXPERIENCE

**Lake Underhill Road, Orange County, Florida, FDOT District 5** - Signalization designer for two signalized intersections along 2 miles of reconstructed Lake Underhill Road from a 2-lane rural roadway to a 4-lane divided urban arterial from west of Econlockhatchee Trail to west of Rouse Road in unincorporated Orange County. Final plans require the construction of a curb and gutter roadway within a proposed 120' right-of-way corridor.

**PID 408464-2-32-01 I-4 Beyond the Ultimate Segment 4, Volusia County, FDOT District 5** -

Transportation Engineer responsible for developing 3D Modeling and Roadway Design for the I-4 mainline. Project scope includes is a interstate reconstruction project beginning at the Seminole/Volusia county line and ending just east of the SR 472 Diverging Diamond Interchange (DDI) interchange. This project includes widening I-4 from the existing 6 lane, divided interstate typical section to a 10 lane divided interstate typical section. A major component to this project is the design of a DDI at SR 472 and I-4. The typical section includes three general use lanes and two express lanes separated by a concrete barrier wall. A 44- foot transit corridor separates the eastbound and westbound directions. The project involves the reconstruction of 3 interchanges with Debarry Ave, Saxon Blvd, CR 472 and one new interchange at Rhode Island. This project includes the widening of St John's River Bridge from six to ten lanes.

**I-95 Express Lane – Phase 3B-1 From South of SW 10th St to South of Glades Road, Broward County, Florida** -

Lighting Engineer for I-95 Express (Phase 3B-1) The Project includes converting the existing I-95 HOV Lanes to Managed Lanes and widening that will result in two tolled Express Lanes in each direction from South of SW 10th St to South of Glades Road. The number of existing General Use Lanes will remain the same.

**Water Street Tampa, Strategic Property Partners, LLC, Tampa, Florida** - Signalization Designer responsible for signalization design and plans production for mast arm traffic signals at ten intersections within the new urban, mixed-use waterfront district in southern downtown Tampa. Design included a new fiber optic trunk line and equipment for traffic signal interconnect within the master planned development.

**Districtwide Miscellaneous Design Services, FDOT District 4** - Engineer Intern for a contract that includes preparation of roadway, signing and marking, signalization, lighting, and landscaping plans for a variety of projects on a work order basis. Additional work order elements include environmental permits, utility coordination, quantity calculation, estimates, specifications, and public involvement. Responsibilities include pavement design, computation book, signalization, signing and pavement markings, field reviews, access management, geometrics, utility coordination, and design documentation reports.

**SR 9/I-95 at CR 606/Oslo Road Interchange, Indian River County, Florida** - Roadway and Lighting Engineer for the design of a new partial cloverleaf interchange including roadway, drainage, bridge replacement, signing, pavement marking, lighting, ITS, landscaping, and right-of-way acquisition. The project also involves realignment of 82nd Avenue, a 2-lane arterial, due to access management requirements within the limits access right-of-way.

#### YEARS OF EXPERIENCE:

- Stantec: 7
- Other Firms: 4

#### AREAS OF EXPERTISE:

- Roadway Design
- Traffic Operation
- Signalization Improvement

#### EDUCATION

- Bachelor of Science, Civil Engineering, Florida Atlantic University, Boca Raton, Florida, 2012

#### REGISTRATIONS

- Professional Engineer #83309, State of Florida

**CHARLES H. CUNNINGHAM, P.E.**  
**VICE PRESIDENT / BRANCH MANAGER / SENIOR GEOTECHNICAL ENGINEER**

**ARDAMAN & ASSOCIATES, INC., ORLANDO**

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**EDUCATION**

M.S. Civil Engineering (Geotechnical), University of Florida, 1984  
B.S. Civil Engineering, University of Florida, 1981

**REGISTRATION**

Professional Engineer, Florida, No. 38189, 1978  
Professional Engineer, California, No. 39486

**EXPERIENCE**

Mr. Cunningham has 40 years of experience in geotechnical and environmental engineering. Mr. Cunningham manages a staff of geotechnical engineers and environmental engineers/scientists responsible for projects related to transportation, foundations (including many for traffic signs and signalization structures), land development, stormwater ponds, landfills, sinkholes, pipeline, dams, environmental assessments, and remediation of contaminated sites. He is responsible for project planning, proposals, coordination of engineering analysis, recommendations, and technical reports. The following are some of his project experience.

**Geotechnical and Materials Testing Contract with Florida Department of Transportation, District 5, Deland, Florida**

Mr. Cunningham serves as Senior Engineer/Technical Reviewer for numerous projects including bridges, roadways, culverts, stormwater ponds, retaining walls, embankments, sinkholes, and subsurface contaminations. FDOT projects in Lake County include S.R. 19, 4-Laning Improvements and S.R. 44, Blackwater Creek Bridge Widening.

**Minneola Collector Road PD&E Study Services, City of Minneola, Lake County, Florida**

Mr. Cunningham was the Project Manager on this collector road PD&E study in an area experiencing high levels of new development. The study worked to identify several alternatives to accommodate the large volume of growth in this area of the City of Minneola. Mr. Cunningham's responsibilities include development of geotechnical and environmental screening scopes of work, assignment of Ardaman personnel and equipment, guidance as needed to Ardaman's project engineer, review of reports, and correspondence with client.

**Hartwood Marsh Road from U.S. 27 to Lake / Orange County Line; Hartle Road Extension from Hartwood Marsh Road to S.R. 50; South Hancock Road Extension from Hartwood Marsh Road to U.S. 27, Lake County, Florida**

Mr. Cunningham provided Project Manager/Reviewer services for Ardaman's participation on these projects which included performing a roadway soil survey relative to the proposed road widening and proposed retention pond areas and providing recommendations for site preparation and pavement design.

**Hartwood Marsh Road PD&E Project, Lake County, Florida**

Mr. Cunningham was Project Manager for this roadway improvements project, which included the widening of a portion of Hartwood Marsh Road from a two-lane to a 4-lane roadway. Ardaman conducted a preliminary subsurface soil exploration, geotechnical engineering evaluation and contamination screening evaluation report. A portion of the roadway was constructed through an existing mine.

**Lake County Continuing Services Contract, Florida**

Mr. Cunningham served as the Lead Engineer on the evaluation of ground subsidence at the Lake County Records Building and the forensic study of recovery issues for two retention ponds located adjacent to Wolf Branch Road.

**C.R. 19A Roadway Conceptual Analysis (RCA) & PD&E Study, Lake County, Florida**

Mr. Cunningham was a Senior Project Engineer on this heavily commercial corridor bordered by residential areas. Lake County is seeking to understand the needs of the corridor through the RCA/PD&E process. The study evaluates the social, economic, and environmental characteristics of the corridor and identifies projected traffic growth. The objective of the study is to identify and evaluate alternatives to widen/improve the C.R. 19A corridor. Mr. Cunningham's responsibilities include development of geotechnical and environmental screening scopes of work, assignment of Ardaman personnel and equipment, guidance as needed to Ardaman's project engineer, review of reports, and correspondence with client.





**EDUCATION**

M.S. Environmental Engineering, University of Central Florida, 1995  
B.S. Limnology, University of Central Florida, 1988

**REGISTRATION**

Professional Engineer, Florida, 1998, No. 53221

**EXPERIENCE**

Mr. Stephens has worked on environmental projects at Ardaman for the past 31 years. He's responsible for preparing proposals, planning projects, coordinating field sampling and analytical testing programs, reducing, and evaluating data, preparing technical reports for environmental projects, and reviewing technical reports prepared by the environmental professionals. Mr. Stephens is also responsible for training and instructing engineers and field technicians on sampling techniques and environmental studies. He has prepared and/or reviewed over 1,000 Phase I and Phase II Environmental Assessments as well as over 200 Petroleum Storage Tank Closure Reports. Mr. Stephens has served as Project Manager on numerous contamination assessments and remedial action plans. He is also responsible for establishing environmental policies for Ardaman and often acts as a liaison between Ardaman and the local regulatory agencies.

**Contamination Screening Evaluation Reports (CSER), Multiple Sites in Central Florida**

Mr. Stephens has conducted or overseen many CSERs in the region over the years, including SR-519 in Brevard County, Citrus Grove Road in Lake County, SR 46 and SR 429 in Seminole County, I-4 in Volusia County, Wabash Extension in Polk County, among others. Many of the Level 1 assessments were followed by Contamination Impact Level 2 Assessments. Mr. Stephens's reports always include recommendations for abating or managing impacted soil and groundwater so construction crews can proceed with minimal disruption to the work schedule and cost.

**CSER, Round Lake Road, Lake County, Florida**

Mr. Stephens was the Project Manager for a CSER conducted by Ardaman as part of a PD&E study of Round Lake Road improvements in Lake County. The study identified five sites that had a high potential to impact the project cost and schedule (3 within the proposed alignment) and five sites with medium potential (4 within the proposed alignment). Ardaman recommended soil screening and groundwater sampling and analysis scopes for each of the five high and five medium-rated sites.

**CSER, Level 2 Assessments, Site Remediation and Consulting, Hoagland Blvd. Extension, Osceola County, Florida**

Ardaman updated the CSER for this project. Level 2 Assessments were conducted relative to six sites, and supplemental assessment was conducted at three of these sites. Under Carl's direction, a gun range was remediated, carcinogenic compounds in the soil at a nursery were removed to preclude exposure to construction crews, and a former contaminated soil incineration facility was partially remediated, allowing contamination to remain under impervious cover, as negotiated with FDEP. In addition, Ardaman prepared work plans and assisted with plan notes regarding constructing the roadway through areas of arsenic-contaminated groundwater.

**SR 408 and Rosalind Avenue – Contamination Evaluation and Source Removal, Orlando, Florida**

An underground storage tank was encountered by construction crews improving State Road 408 at Rosalind Avenue. Ardaman completed a tank closure assessment, source removal, and confirmatory soil sampling at the site. The source removal consisted of the excavation and off-site incineration of contaminated soil above and below the water table. In addition, a monitoring well was installed and sampled after source removal. Ardaman subsequently assessed groundwater and promptly got a No Further Action from FDEP so that roadway improvements could continue unhindered.

**SR 435 and SR 535, Lake Buena Vista, Orange County, Florida**

Orange County Highway Department and Utilities were moving a water main for road widening purposes. There was groundwater contamination present from two gas stations adjacent to where dewatering was necessary for the new main. Ardaman obtained the dewatering and NPDES permits, air strippers, and in short order, got the work back on track. Ardaman monitored effluent per the permit requirements and filed reports with FDEP.

## DAVID A. GRAEBER, PE

### *Senior Project Engineer – PD&E Studies*

#### **EDUCATION:**

Master of Public Administration, Minnesota State University (2007)  
B.S., Civil Engineering, University of Central Florida (1996)

#### **AFFILIATION:**

FDOT Noise Task Team Member

#### **REGISTRATION:**

Professional Engineer – Florida #56940 (2001)

#### **EXPERIENCE:**

David Graeber, PE, has provided engineering and planning services on a variety of transportation projects since 1996. His primary area of expertise is with Project Development and Environmental (PD&E) studies including preliminary engineering, alternatives analysis, public involvement programs, and noise and air analysis. His experience includes noise and air analysis for planning, PD&E, and design projects as well as federal and state policy development and implementation. He has extensive experience with federally funded NEPA documents including FDOT, Turnpike, and Local Agency Program projects. Additionally, Mr. Graeber's experience includes noise analysis, trail planning, traffic operations studies, and federal program management.

#### **REPRESENTATIVE PROJECTS:**

**Babcock Street, PD&E Study, Brevard County, Florida Department of Transportation, District 5 – Ongoing.** Project Manager responsible for work on the ongoing PD&E Study. The project involves the widening of Babcock Street from Micco Road to Malabar Road from a 2-lane rural roadway to a 4-lane roadway. Responsibilities include project approach, schedule and coordination of work effort by a team of engineers, planners and environmental scientists to develop and evaluate widening and safety alternatives.

**SR 414 (Maitland Blvd.) PD&E Study, Orange County, Florida Department of Transportation, District 5 –** Project Manager responsible for completion of PD&E Study. Responsibilities included project approach, schedule and federal approval of widening of Maitland Boulevard from four to six lanes between I-4 and Maitland Avenue. Key challenges on the project included avoiding right-of-way acquisition while still meeting the design criteria and operational goals of both the Department of Transportation and the City of Maitland. As part of the project David led a team of engineers, planners and scientists to develop alternatives, evaluate environmental impacts and costs associated with each alternative and present them to stakeholders and the public to gain consensus to reconstruct the existing roadway from four lanes to six lanes as well as evaluating other improvements such as bicycle lanes and sidewalks.

**Space Coast Trail Alternatives Development, Brevard and Volusia Counties, Florida Department of Transportation, District 5 –** Project Manager responsible for scope preparation, scheduling, work activity planning and overall project direction for the development of 16 miles of multi-use trail as part of the Cross Florida Trail system within the Merritt Island National Wildlife Refuge and Canaveral National Seashore. The collaboration between five federal agencies to develop the alternatives corridor evaluation relied on comprehensive understanding of NEPA and the role of FHWA and FDOT in developing an environmental document for use by the United States Fish and Wildlife Service, National Park Service, United States Army Corp of Engineers and NASA within extremely sensitive and highly protected conservation areas located within federal property.

**SR 40 PD&E Reevaluation from US 17 to Cone Road, Districtwide ETDM, Florida Department of Transportation, District 5 –** Project Manager responsible for major design reevaluation of original PD&E study for 13.1 miles of roadway in Volusia County. The project included alternatives analysis, environmental impact evaluations and development of preliminary concept plans for widening the existing two-lane rural roadway to a four-lane roadway. Key challenges included the development of drainage treatment within a corridor with extensive public land, and three wildlife crossing locations. Responsible for conducting noise and air quality analysis for 13.1 miles of roadway widening as part of the design reevaluation. Mr. Graeber was also responsible for development alignment, roadway crossing treatments, and bridges for a 12-foot wide shared-use path along 13.1 miles of SR 40. The project included evaluating alternative alignments for engineering, safety and

## DEBORAH L. GRAEBER, PE

### Principal/Senior Engineer-Arterial Analysis, Traffic Signals, and Traffic Counts

#### EDUCATION:

B.S., Civil Engineering, University of Central Florida  
(1996)

#### REGISTRATION:

Professional Engineer – Florida #58624 (2002)  
IMSA Level I & II  
Maintenance of Traffic (Advanced)  
Drilled Shaft Installation Inspection

#### AFFILIATION:

International Municipal Signal Association, Inc.  
Central and Northeast Florida ITE

#### EXPERIENCE:

Ms. Graeber has 23 years of professional engineering experience with an emphasis on signal system design, retiming and construction. Her past experience includes serving as the Traffic Plans and Standards Engineer for the Florida Department of Transportation in District 5. In this capacity as the Traffic Plans and Standards Engineer she provided engineering design and review of signals, signing and pavement marking, lighting plans, traffic control plans and operational analysis. Additionally, she has experience in ITS, Traffic Impact Studies, Safety Studies, traffic studies, traffic counts and minor roadway design.

#### REPRESENTATIVE PROJECTS:

##### Minor Roadway, Traffic Signals, Signing & Pavement Markings and Signal Systems Design

**Clarcona Ocoee Road at Ingram Road, Orange County, Orange County Traffic Engineering (Design)** – Designed traffic signalization plans. Project tasks included the design of signalization plans including general notes, signalization plans, pedestrian details, guide sign worksheet, mast arm tabulation sheet, summary of verified utilities, ITS mounting, wiring and splicing, signing and marking plans, roadway plans and bid documents.

**US 27 and Holly Grove, Lake County, Florida Department of Transportation, District 5 (Design)** – Pushbutton directional median design. Project tasks included the design of roadway plans, signing and pavement marking plans, and bid documents.

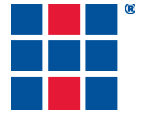
**US 27 and CR 464B, Marion County, Florida Department of Transportation, District 5 (Design)** – Pushbutton directional median design with U-turn aprons. Project tasks included the design of roadway plans, signing and pavement marking plans, and bid documents.

**US 301 at CR 472, Sumter County, Florida Department of Transportation, District 5 (Design)** – Designed traffic signalization plans. Project tasks included the design of signalization plans including general notes, signalization plans, pedestrian details, guide sign worksheet, mast arm tabulation sheet, summary of verified utilities, ITS mounting, wiring and splicing, signing and marking plans and bid documents.

**SR 492 and NE 30th Avenue, Marion County, Florida Department of Transportation, District 5 (Design)** – Designed traffic signalization plans for new mast arm signal with pedestrian features. Project tasks included the design of signalization plans including general notes, signalization plans, pedestrian details, mast arm tabulation sheet, guide sign worksheet, ITS details, proprietary product certification, specifications and bid documents.

**Narcoossee Road at Thompkins Drive, Osceola County, Osceola County Transportation (Design)** – Designed traffic signalization plans. Project tasks included the design of signalization plans including general notes, signalization plans, pedestrian details, guide sign worksheet, mast arm tabulation sheet, fiber splicing diagrams, summary of verified utilities and signing and marking plans.

**SR 44 and Countryside Boulevard, Lake County, Florida Department of Transportation, District 5 (Design)** – Pushbutton design for directional median opening and turn out for u-turns. Project tasks included the design of roadway plans, signing and pavement marking plans, and bid documents.



# JOHN MCGLOHORN, PSM

Project Survey Manager



John McGlohorn has 33 years of experience in a wide variety of surveys including boundary, right-of-way, topographic and sectional. He has extensive knowledge of surveying process, writing of legal documents, field data collection, subdivision layout and control, QA/QC processes, and project management. His surveying deliverables skillset includes: sectional surveys, boundary and topographic, as-builts, subdivision layout and control, as well as highway and right-of-way surveys.

## REPRESENTATIVE PROJECT EXPERIENCE

### County Road 455 Design | Lake County, FL

Halff prepared the record survey, boundary survey, established the right of way, mapped existing conditions, and reviewed all title work to assist Halff engineering in the design for the new construction of CR 455. The roadway consists of a four-lane road, with a 12-foot multi-use path, full and directional median openings, and dedicated left and right turn lanes with a 5-foot sidewalk running adjacent to the new roadway.

### Lake County Fire Station #109 | Clermont, FL

Halff provided boundary survey and topographic surveys for the station's expansion.

### Lake County Fire Station #15 | Eustis, FL

Halff provided boundary survey and topographic surveys for the station's expansion.

### Lake County School Board Eustis High School Fence Line | Eustis, FL

Boundary and topographic surveys were executed to re-establish the property line due to the erosion of the teacher's parking lot into neighboring property. Survey was used for erosion control and proper repair.

### Lake County School Board Leesburg High School Agriculture Department | Leesburg, FL

Boundary survey to establish an exterior boundary lines and all improvements along the boundary.

### Lake County School Board Pearl Street | Mascotte, FL

Route survey in front of the elementary school to locate right of way lines, and capture all relevant existing data needed for construction, including utilities.

### City of Umatilla Waterline Improvements | Umatilla, FL

Scope included design and survey for a 41,300 LF watermain replacement. Halff completed the route and topographic survey for the project.

## EDUCATION

BS, Surveying, University of Florida (1992)

## REGISTRATIONS

Professional Surveyor & Mapper: #6023

## EXPERIENCE

Total Years: 32  
With Halff: 3

## PROFESSIONAL SOCIETIES

- Florida Surveying & Mapping Society



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## Tom Wilson, Owner

### Utility Locating

Tom Wilson is the owner of Precise Locating Services, Inc. which has been in business since July 2014. Precise Locating was formed from Tom's previous company, Teletech Unlimited, formed in November 2003, and restructured in July 2014, to become Precise Locating Services, Inc. He has been in the telephone and cable industry since 1987, and performed duties such as cable placement, repair, splicing, and locating copper and fiber systems. Tom's knowledge of the telephone and cable industry is an asset in understanding installation techniques of utilities and the ability to find them.

Years of Experience: 32 Years

#### Relevant Experience:

- Independent Contractor for Sprint; 1987 to 2003; work experience included installation of new telephone lines, splicing 100 to 1000 pair cable and testing for industry standards, repair of telephone lines and locating of buried copper telephone for construction.
- Teletech Unlimited, Inc.; Owner, November 2003 to July 2014; work experience included copper and fiber telephone placement, copper and fiber splicing, and Utility Locating for repair, replacement and construction.
- Precise Locating Services, Inc.; Owner, July 2014 to Current; Provide locates for underground utilities including Telephone, Fiber Optic, Cable TV, Power, Gas, Water and Sewer systems. In addition to using industry leading technology for toning and locating utilities, Precise also utilizes Ground Penetrating Radar (GPR) and Soft Digs for those utilities without tracer wire to accurately locate and identify utilities.

#### Achievements:

- Fiber Optic Certified
- 811 Safety Conference February 2015
- Successfully installed, repaired, located and maintained utility lines for Sprint / CenturyLink for 28 years.

#### Relative Experience:

- **CR466A Phase 1, Fruitland Park, FL** - Spot checked existing utility locates as show on roadway construction plans and located existing potable water and sanitary sewer force mains for.
- **Fruitland Park to Lady Lake Force Main, Fruitland Park, FL** - Located all underground utilities and coordinated with surveyor for 2-mile route from the Fruitland Park Wastewater Plant Site to an existing lift station north of Lake Ella Road within City of Lady Lake.
- **Reclaimed Water Interconnect, Mount Dora, FL** – performed underground utility locates for a reclaimed interconnect pipeline between Mount Dora to Apopka along Round Lake Road. Locates extended from the Orange County Line to SR 46.



## Janette D. Simpson

Traffic Counts – Project Manager

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### PROFESSIONAL:

**Janette Simpson**, is a Project Manager for Peggy Malone & Associates, Inc., and is currently responsible for managing projects for both the Florida and Virginia office locations and assigned field staff. As Project Manager, she manages planning and scheduling of projects and the assignment of resources for each project. Janette also is responsible for Quality Control over all projects she manages.

Ms. Simpson has had extensive training and hands-on experience in the placement of machine hose counts, conducting turning movement counts, travel time studies, pedestrian and bicycle studies and the various other traffic data collection efforts that the company performs.

**EDUCATION:** H.S. Billerica, MA 1979

### SUMMARY OF QUALIFICATIONS:

- 10 years of experience as an Executive Assistant with worldwide distribution corporation
- 10 years of experience in woman's retail footwear business. Responsibilities included purchasing and merchandising for 30 retail stores throughout the U.S., and assisting in the budget planning of store annual sales.
- 15 years of experience in the traffic data collection field. Her responsibilities include coordinating schedule availability for new projects, managing projects with Field Operation Managers, providing details and scope of each job to managers for their crews to perform their job in an effective and timely manner, and corporate management of the company.

### PROJECT EXPERIENCE:

Peggy Malone & Associates, Inc. conducts approximately 400 projects each year. The following are sample projects that have been conducted under Ms. Simpson's supervision.

**FDOT District 2 Annual Traffic Count Program:** This annual project includes in excess of 1,900 ADT counts consisting of volume and classification machine counts, as well as loop counts over the 18-county district, with approximately 800 of these counts in Duval County. Ms. Simpson has managed or co-managed this job for the past 12 years. Peggy Malone & Associates is currently performing the 15th year of counts for this annual project. Peggy Malone & Associates has consistently earned the highest ratings from the FDOT, reflecting that the company exceeds standard performance in every category for this contract.

**City of Jacksonville Annual Traffic Count Program:** PMA has conducted the annual counts for the City of Jacksonville for over 15 years. This program includes over 500 volume machine counts. Ms. Simpson has co-managed this project for the past 12 years. PMA offers the City valuable insight into the local roads, and has completed this project on time, without issue every year.

**Florida Turnpike Annual Count Program:** Peggy Malone & Associates has conducted the Florida Turnpike and Toll roads annual count program for over 10 consecutive years. This project includes the collection of 7-day volume and classification machine counts at all the Turnpike Service Plazas during their annual survey weekends, and the collection of 7-day volume and classification machine counts on all the various Turnpike/Toll Systems throughout the State of Florida. There are additional projects issued each year that require turning movements, travel time studies, stop delay studies, queue studies, condition diagrams, etc. around the entrances and exits to the Turnpike/Toll Roads throughout the state, which Ms. Simpson directs.

**COJ Duval Rd PD&E Study:** Ms. Simpson managed this PMA project for COJ and Benesch. The project included 4 – 8 hour turning movements, 6 – 24 hour volume hose counts and 2 – 24 hour speed hose counts. This data collection project was completed in March 2020 on time, within budget with no data issues.

**COJ Baymeadows Rd East Study:** Ms. Simpson managed this project for COJ and Arcadis. The project included 3 – 12 hour turning movements 3 – 1 hour delay studies and 8 -24 hour volume hose counts. This data collection project was completed in November 2020. All work was completed on time, within budget with no data issues.

## Rick Whitman

Traffic Counts - Field Operations Manager

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### PROFESSIONAL:

**Rick Whitman** is Field Operations Manager for Peggy Malone & Associates, Inc. for all Field Technicians based in Florida and Virginia. He manages the day-to-day field work for all data collection projects. Rick has extensive experience in management and the collection of all data collection tasks that the company performs.

Rick is a working manager and will usually be found in the field working with field technicians to insure that the work is completed timely and all data collected is accurate and in conformance MUTS requirements.

**EDUCATION:** Commonwealth Community College, A.A.S., Computer Science, Virginia Beach, VA B.S. Business Management Old Dominion University

### SUMMARY OF QUALIFICATIONS:

- 10 years' experience as project engineer at a large communications firm
- 3 years' experience in customer relations and management of field crews in landscape firm
- 14 years' experience in traffic engineering field: experienced in conducting all types of traffic counts. Trains new field technicians and manages all field technicians. Conducts safety and quality control inspections to assure that we are delivering the most accurate product to our clients in a timely fashion.

### WORK EXPERIENCE:

Peggy Malone & Associates, Inc. conducts approximately 400 projects each year. The following are sample recent projects that have been conducted under Mr. Whitman's supervision.

**City of Jacksonville Annual Traffic Count Program:** This has been a yearly project for PMA for over 15 years. This program includes 500 - 24 hour Volume Machine Hose Counts. Mr. Whitman has been field manager involved in managing the field work for this project three of the past 10 years. The annual project has been completed on time and accepted without issue each year.

**FDOT District 2 Annual Traffic Count Program:** This annual project includes over 1,900 Volume and Class machine counts over the 18 county district. Approximately 900 of these counts are in Duval County. Mr. Whitman has played a key role in the timely completion of this contract field work for over 10 years.

**City of Portsmouth Signal Timing –Phase 1 Project:** Mr. Whitman successfully managed all field work of this project consisting of 30-8/2 Hour Turning Movements and 11-7 Day Bidirectional Volume Hose Counts. The project was successfully completed in 2 weeks.

**FDOT District 2 Signal Timing Corridor Study – Phase 9 Orange Park-US17:** This project consisted of 8-7 Day Bidirectional Volume Hose Counts, 25-9 Hour Weekday Turning Movements and 13-6 Hour Saturday Turning Movements. The project was performed over two weeks and completed in March 2012. Mr Whitman managed all field work for this project.

**N. Military Highway, Norfolk Virginia Study:** This project included many different types of coordinated traffic studies. Included in this project were 20-6 Hour Weekday Turning Movements, 20-3 Hour Saturday Turning Movements, 17-6 Hour Automated License Plate OD Studies, 6-3 Hour Automated License Plate OD Studies, 1-6 Hour Manual OD Study, 22-24 Hour Class Hose counts and 1-24 Automated Video ADT Class count. Mr. Whitman planned and managed the field work on this project completed March 2012.

**FDOT I-95 and I-295 Managed Lanes Study:** This project included 74 – 7 Day BlueFax simultaneous locations of blue tooth cell-phone data capture for OD studies from North Duval County down to St. Johns County SR16. The project was completed on time. Mr. Whitman managed the field work for this job.



**18 Years of Experience**  
 2 year with Protean

**Education**  
 BS, Civil Engineering,  
 University of Central Florida, 2005

**Registrations**  
 Professional Engineer,  
 No. 70661, Florida, 2010

\*prior to joining Protean

Mr. Davis brings extensive experience in a variety of project types, including traffic operations, transportation planning studies, and Concurrency Management Systems (CMS). Specific tasks include the review of Developments of Regional Impact (DRI) and Comprehensive Plan Amendments, corridor and area-wide planning studies, signal warrants, traffic impact studies, impact fee studies, CMS, and data collection. In support of these activities, Mr. Davis is well versed in the methodologies outlined in the Quality Level of Service Manual, Institute of Transportation Engineers (ITE) Trip Generation Handbook, and the Highway Capacity Manual, and is proficient in Synchro, HCS, LOSPlan, TravTime, Jamar, and Microsoft Office.

**PROJECT EXPERIENCE**

**FDOT District 5, Metropolitan Planning Organization (MPO) Plans Review, Districtwide; Project Manager.** Protean Design Group, as a subconsultant, is supporting the District on review of plans submitted to the District from local MPOs. Protean will review plans submitted by the five MPOs in the District, including draft and final plans for Transportation Improvement Plans (TIPs), Long-Range Transportation Plans (LRTPs), and LRTP Needs Plans. Support provided under this TWO includes comparison of the current proposed plans to the previously adopted plans (including FDOT Work Program and MPO

Cost Feasible Plans), reviewing supporting analysis of existing and future conditions, coordination with the District Model staff regarding the updated 2045 Central Florida Regional Planning Model (CFRPM) and comparison to the MPO supporting analysis, coordination with the District SIS unit regarding any planned and funded improvements to SIS corridors, reviewing MPO process for addressing future technology (eg: connected and automated vehicles [CAV]), reviewing the quality of the plans, and reviewing plans to ensure planning consistency.

- **DRIFT Support.** Protean Design Group is providing support to the District on updates to the DRI Financial Tracker (DRIFT) for the District PLEMO staff including support of the mapping component view attributes (DRI boundaries, development orders, annual reports, associated mitigation, and proportional share agreements), updates to financial components based on previous quarterly updates, and data upload and management for quarterly updates.
- **MPO Plans Support.** Protean Design Group will provide support to the District on review of plans submitted by the five MPOs in the District. Protean will then review and draft the final plans related to the Transportation Improvement Plan (TIP), Long-Range Transportation Plan (LRTP), and LRTP Needs Plan. Other items in this task include comparison of the current proposed plans to the previously adopted (including the FDOT Work Program and MPO Cost-Feasible Plan), review of supporting analysis of existing and future conditions, coordination with the District Model Staff regarding the updated 2045 Central Florida Regional Planning Model (CFRPM) and comparison to the MPO supporting analysis, coordination with the District SIS unit regarding any planned and funded improvements to SIS corridors, review of MPO process for addressing future technology, such as Connected and Automated Vehicles (CAV), review the quality of the plans, such as the evaluation process and linkage between the vision, goals, objectives, and evaluation criteria, and review plans to ensure Planning Consistency.

**FDOT District 5, Regional Planning Councils (RPC), FL; Public Involvement.\*** Mr. Davis provided coordination and assistance with three Regional Planning Councils (RPC) including the East Central Florida, Northeastern, and Withlacoochee, located within District 5, along with the Transportation Planning Organizations (TPOs)/Metropolitan Planning Organizations (MPOs). Tasks included coordination with FDOT liaisons, posting of public hearings and informational meetings/correspondence with all the District 5 county publications, creating presentations summarizing FDOT and the Tentative Five-Year Work Program, and writing scripts for public hearings on behalf of FDOT liaisons. His responsibilities included assisting in the coordination and organization of the projects to provide FDOT with the appropriate information and materials required to meet the public needs. In addition, Mr. Davis worked with the District 5 Public Information Officer to create a video for the Work Program Public Hearing summarizing the gas tax and the tax implementation.

**FDOT District 3, Districtwide Growth Management Planning Assistance, FL; Project Manager.\*** Mr. Davis supported the FDOT District 3 Districtwide Growth Management Planning Assistance team as project manager. The firm was responsible for supporting the District with their team's expertise in transportation planning, growth management planning, transit planning program management, aviation planning, interstate master plans, interchange justification reports, environmental analyses, and permitting systems analyses.



**11 Years of Experience**  
3 years with Protean

**Education**

BS, Civil Engineering,  
University of Central Florida, 2012

**Registration**

Professional Engineer,  
No. 82403, Florida, 2017

**Certification**

Advanced MOT

\*prior to joining Protean

Ms. Rossi brings a wealth of experience in roadway, stormwater, and stormsewer design. She is skilled in all aspects of geometric design, including vertical and horizontal alignments, rural and high-speed urban designs, temporary traffic control plans (TTCP), and signing and pavement markings. She also has experience with modeling stormsewer systems and the design of wet detention ponds, retention ponds, and floodplain compensation sites in compliance with the Florida Department of Transportation (FDOT) criteria. In addition, she is experienced with bridge hydraulics reports, bridge scour analysis, and documenting district specific stormwater management system design criteria for projects throughout the State.

**PROJECT EXPERIENCE**

**FDOT District 4, Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7 (US 441), Broward County, FL; Deputy Project Manager.** Protean Design Group designed plans to widening, mill, and resurface 6.15 miles of Loxahatchee Road to accommodate 11-foot paved lanes (one in each direction), a raised median, bicycle lanes on each side of roadway, and sidewalks on the south side of the roadway. Protean also accommodated the full design of three single-lane roundabouts to address needs of the City of Parkland, a project stakeholder. This project was unique in the fact that there are several funding sources, which require great coordination, including the City of Parkland, Broward County, Broward County Metropolitan Planning Organization (MPO), and FDOT District 4.

**FDOT District 4, SW 56th Avenue from Pembroke Road to Stirling Road, Broward County, FL; Project Engineer.** This complete-streets mobility project includes the widening, milling, and resurfacing of SW 56th Avenue to add 7-foot buffered bicycle lanes for the length of the project. ADA ramp improvements, signing and pavement markings, and replacement/installation of new signage, as necessary to conform to MUTCD and current Greenbook Design Standards, is included in the contract. The key issue of this project is coordination; we are coordinating with the City of Fort Lauderdale and Broward County for their preferences and standards, Broward County Metropolitan Planning Organization (MPO) since they are funding a portion of the project, and FDOT District 4 as the client and project facilitator.

**FDOT District 5, Metropolitan Planning Organization (MPO) Plans Review, Districtwide; Project Engineer.** Protean Design Group, as a subconsultant, is supporting the District on review of plans submitted to the District from local MPOs. Protean will review plans submitted by the five MPOs in the District, including draft and final plans for Transportation Improvement Plans (TIPs), Long-Range Transportation Plans (LRTPs), and LRTP Needs Plans. Support provided under this TWO includes comparison of the current proposed plans to the previously adopted plans (including FDOT Work Program and MPO Cost Feasible Plans), reviewing supporting analysis of existing and future conditions, coordination with the District Model staff regarding the updated 2045 Central Florida Regional Planning Model (CFRPM) and comparison to the MPO supporting analysis, coordination with the District SIS unit regarding any planned and funded improvements to SIS corridors, reviewing MPO process for addressing future technology (eg: connected and automated vehicles [CAV]), reviewing the quality of the plans, and reviewing plans to ensure planning consistency.

**FDOT District 5, SR 40 from CR 314 to CR 314A, Marion County, FL; Design Engineer.\*** This 6.00-mile-long capacity project reconstructed a two-lane roadway to a four-lane divided highway and a 12-foot shared-use path through the Ocala National Forest. The project consisted of 13 wildlife crossings, including two pairs of 50-foot bridges and three pairs of 400-foot bridges. A large amount of existing road was milled and resurfaced and widened. Six drainage basins were included in the project limits, including three direct runoff basins where vegetated natural buffers (VNB) were used, and runoff was permitted to flow into the forest with minimal treatment. Since four floodplains were impacted by the project, floodplain compensation volume calculations and cross sections were prepared. The project included extensive coordination with the U.S. Forest Service, Florida Department of Environmental Protection (FDEP), St. Johns River Water Management District (SJRWMD), and Florida Fish and Wildlife Conservation Commission (FWC). Ms. Rossi was responsible for superelevation calculations, roadway sheet production, 3D corridor modeling, wetland sketches, pond detail sheets, ditch tabs (volume calculations), erosion control, base clearance profile design, floodplain compensation volume calculations and cross sections, pavement design, and temporary traffic control plans (TTCP).





**13 Years of Experience**  
11 years with Protean

**Education**

BS, Civil Engineering, University of Central Florida, 2011

MS, Engineering Management, University of Central Florida, 2017

**Registrations**

Professional Engineer, No. 82354, Florida, 2017

**Certifications**

IMSA Fiber Optics Technician – Level I

Advanced MOT  
\*prior to joining Protean

Mr. Hinkle has 13 years of experience in traffic operations and transportation engineering. He has provided lighting, signing, pavement markings, signal, intelligent transportation systems (ITS), roadway, and temporary traffic control plan (TTCP) design for a variety of Florida Department of Transportation (FDOT) projects across the State of Florida.

Mr. Hinkle’s career has focused around improving safety for vehicular, pedestrian, and bicyclist facilities, which has been achieved through understanding the safety and operational issues at hand and then developing the best design solution. As engineer-of-record (EOR) for multiple intersection improvement and RRR projects throughout the State, Mr. Hinkle has provided safety/operational reviews and prepared RRR reports outlining project deficiencies, safety concerns, and recommendations of improvements for numerous projects.

**PROJECT EXPERIENCE**

**FDOT District 5, SR 46 from SR 500 (US 441) to Vista View Lane (Wekiwa Parkway Segment 3B), Lake County, FL; Project Engineer.** Protean Design Group served as a subconsultant and provided signing, pavement markings, signalization, and lighting services for the reconstruction of SR 46, a six-lane divided controlled access roadway, and the new intersection at SR 500 (US 441) with a separated flyover from SR 500 (US 441) to SR 46. Protean Design Group’s tasks included design of new directional cantilever and overhead signs, loop installation, lighting, signal heads on the bridge deck, sight clearance, and pavement markings. Mr. Hinkle led Protean’s efforts.

**FDOT District 5, SR 50 from SR 33 to 12th Street, Lake County, FL; Project Engineer.** Protean Design Group was responsible for the milling and resurfacing of 4.52 miles of SR 50 from SR 33 in Groveland, FL to west of 12th Street in Clermont, FL. This roadway was classified as a major arterial and two typical sections were utilized—1.00 mile of four-lane

urban divided highway with curb and gutter, raised grass median, bicycle lanes, and 5-foot sidewalk and 3.52 miles of four-lane rural divided highway with 4-foot paved outside shoulders and grass median with a ditch. Shoulder widening was required to include keyholes and bicycle facilities. A unique aspect of this project involved the use of polymer modified asphalt (PMA), which provided a cost-effective solution to alleviate the rutting of asphalt due to the heavy truck traffic. Protean was responsible for signing, pavement markings, loop replacements, pedestrian features, drainage improvements, sidewalk extensions, and guardrails. To meet safety standards, guardrail extensions were performed as well as replacement of three-beam guardrail. Pedestrian conveyances plans were included in the temporary traffic control plan (TTCP) due to heavy pedestrian traffic in the area and tight right-of-way (ROW). Protean led the Community Awareness Plan (CAP) Level 2 efforts, which included informing the local residents of a future bypass coming and to educate them that this project was not the bypass project. We coordinated with Lake County, the City of Groveland, and the City of Clermont.

**FDOT District 5, SR 500 (US 441) from Griffin Road to Martin Luther King Boulevard, Lake County, FL; Project Engineer.** Protean Design Group provided designs for this milling, resurfacing, and widening project that included 1.10 miles of SR 500 (US 441) from Griffin Road to Martin Luther King Boulevard through Leesburg, FL. The existing roadway was a seven-lane undivided facility that was proposed to be converted to a six-lane divided urban road with bicycle lanes and sidewalks on both sides. The project also included the design of two stormwater ponds, two signalized intersections, and significant utility coordination. One public meeting was held, and extensive coordination was required with locals. Due to right-of-way (ROW) acquisition and utility concerns, the project was re-scoped between Phase II (60%) and Phase III and converted to a sidewalk improvement only project.

**FDOT District 5, SR 500 from Perkins Street to Griffin Road, Lake County, FL; Project Engineer.** This project involved the widening and reconstruction of SR 500 between Perkins Street and Griffin Road in Leesburg, FL. The project consisted of widening SR 500 from four to six lanes along with the realignment of northbound US 27 to create a ‘T’ intersection with SR 500. Additionally, the project included drainage design and permitting, signal designs at four intersections, and signing and pavement marking design. An intricate temporary traffic control plan (TTCP) was also developed to minimize impact in the area during construction. The complexity of the project necessitated extensive coordination with residents, business, government, and utility agency owners (UAO).





**9 Years of Experience**  
1 year with Protean

**Education**  
BS, Civil Infrastructure Engineering,  
George Mason University, 2012

**Registration**  
Professional Engineer  
No. 90031, Florida, 2020

**Certifications**  
VDOT Advance Work Zone Traffic  
Control Training

VDOT Certified Work Zone Traffic  
Control Training Instructor

Advanced MOT

\*prior to joining Protean

Mr. Barden has experience in traffic operations studies, traffic signal design, maintenance of traffic, and safety review. He has acted as liaison to clients facilitating project management with contractors. He has worked with signing and pavement marking teams for interstate and express lanes. His traffic operations experience includes bus rapid transit studies, experimental traffic control, and corridor wide safety analysis.

**PROJECT EXPERIENCE**

**FDOT District 1, Minor Design Consultant and Resurfacing Consultant (4 Contracts), Districtwide; Project Engineer.** Protean Design Group, Inc. provided services for this TWO-based contract including milling and resurfacing, roundabout, sidewalk, safety improvements, roadway design, drainage, signing and pavement marking, lighting, lane extensions, and median reconstruction. Tasks include:

- **SR 600 (US 17/92) from East Hinson Avenue to Johnson Avenue, Polk County.** Protean Design Group provided services for pavement design, in accordance with the Flexible Pavement Design Manual, with the purpose of reconstructing the side streets from the mainline edge of travel to the back of the returns to accommodate the sidewalk crossings located on the east side of SR 600 from south of Hinson Avenue to Johnson Avenue. The pavement was described in a memorandum format.
- **SR 45 (US 41B) at Bayshore Road/26th Street Keyholes and 23rd Street, Manatee County.** Protean Design Group provided milling and resurfacing services for US 41 Business from 17th Street to Bayshore Road. An intersection modification was designed for the intersection of US 41 Business and 23rd Street from a full median opening to a one-way directional median opening. At US 41 Business (SR 45) and 26th Street/Bayshore Road the intersection was modified from a full opening to a directional, along with the removal of a flashing beacon and closure of one median opening, and modification of another median opening to a directional with a U-tun apron on US 41 Business south of the 26th Street intersection. The project also included guardrail improvements, driveway improvements, ADA improvements, minor drainage improvements, pedestrian signal upgrades, and signing and pavement markings.

**FDOT District 1, SR 64 (6th Avenue) from 10th Street West to 10th Street East, Manatee County, FL; Traffic Engineer.** Protean is leading the milling and resurfacing SR 64 from 10th Street West to 10th Street East and SR 64 from 43rd Street West to 15th Street West. The proposed designs consist of replacing existing ADA curb ramps as well as curb and gutter. Existing driveways are being evaluated for removal or width reduction. Traffic signals at 26th Street West, 10th Street West, 1st Street, and 9th Street East are being replaced as well as the detection loops and signal backplates for the remaining signals. The pedestrian signals at 43rd St W and 39th St W are being upgraded while lighting along both corridors is replaced from HPS to LED. Bike lanes will be added to the section of SR 64 from 10th Street West to 10th Street East.

**FDOT District 2, SR 5/US 1 from Ponce de Leon Boulevard to Cross Ridge Drive, St. Johns County, FL; Project Engineer.** Protean Design Group provided services for this project located in St. Johns County, which included the milling and resurfacing of SR 5 from just south of the North City Gates to just north of Cross Ridge Drive. The main intent of this project was to preserve the roadway integrity. Additional project elements included ADA upgrades, minor drainage modifications, driveway modifications to prevent erosion, preventative measures to prevent over tracking, signing and pavement markings, bicycle lane keyholes, and signal upgrades.

**City of Alexandria, ITS Integration Phase III, Alexandria, VA; Lead Transportation Engineer.\*** Mr. Barden was tasked with developing The City of Alexandria’s Intelligent Transportation System (ITS) Integration phase III. Phase III included the development of CCTV Cameras, RWIS, Fiber Optic communication links to the existing traffic signal cabinets, New Fiber lines and conduits, the expansion of the TMC video wall, real-time conditions map, and a physical inventory of all existing conduits, cables runs, cameras, and weather sensors. Mr. Barden prepared base mapping plans using The City of Alexandria’s existing GIS maps. The base mapping included the design of 10 segments within the city, as well as existing fiber, new fiber, and 11 CCTV camera locations.

## g. Complete Attachment 4

ATTACHMENT 4

### LOCATION PERCENTAGE OF WORK TO BE COMPLETED

20-0940

<b>Address of Prime Consultant's designated office where the majority of work will be performed</b>	
Street	300 Primera Boulevard, Suite 300
Street 2	
City	Lake Mary
State	FL

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)	65.00%
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<b>Address of Prime Consultant's other offices where work will be performed (if applicable)</b>	
Street	901 Ponce de Leon Boulevard, Suite 900
Street 2	
City	Coral Gables
State	FL

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)	5.00%
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Percentage of total overall fees projected to be performed by firms located within Lake County including the Prime Consultant and Subconsultants.	3.00%
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