

SECTION 2

FORMS



ATTACHMENT 1 – SUBMITTAL FORM

ATTACHMENT 1 – SUBMITTAL FORM

21-0940

The undersigned hereby declares that: Moffatt & Nichol 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. Nothing to disclose

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 [Click or tap to enter a date.](#) to date [Click or tap to enter a date.](#)

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: [Click or tap here to enter text.](#)

9.0 GENERAL VENDOR INFORMATION:

Firm Name: Moffatt & Nichol
 Street Address: 1025 Greenwood Boulevard, Suite 371
 City: Lake Mary State and ZIP Code: FL 32746
 Mailing Address (if different): Same as above
 Telephone: 407.562.2030 Fax: 407.562.2031
 Federal Identification Number / TIN: 95-1951343
 DUNS Number: 783792190

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: *Darrell Nance*

Date: 9/17/2021

Print Name: Darrell Nance, PE

Title: Vice President

Primary E-mail Address: dnance@moffattnichol.com

Secondary E-mail Address: kabel@moffattnichol.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.

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SUNBIZ REGISTRATION

[Previous On List](#) [Next On List](#) [Return to List](#)

Moffatt

[Events](#) [Name History](#)

Detail by Entity Name

Foreign Profit Corporation
MOFFATT & NICHOL, INC.

Filing Information

Document Number P06383
FEI/EIN Number 95-1951343
Date Filed 06/10/1985
State CA
Status ACTIVE
Last Event NAME CHANGE AMENDMENT
Event Date Filed 10/31/2003
Event Effective Date NONE

Principal Address

4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Changed: 04/04/2019

Mailing Address

4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Changed: 04/04/2019

Registered Agent Name & Address

CT CORPORATION SYSTEM
1200 S. PINE ISLAND ROAD
PLANTATION, FL 33324

Name Changed: 03/05/1992
Address Changed: 03/05/1992

Officer/Director Detail

Name & Address

Title Senior Vice President/Chief Financial Officer

Abbamonto, Olie
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title President/Chief Executive Officer/Director/Chairman

NICHOL, ERIC A.
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Senior Vice President/Chief Legal Officer/Secretary

Huchel, David W.
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Senior Vice President

Nathan, Robert A.
501 East Kennedy Blvd.
Suite 1910
Tampa, FL 33602

Title Director

Homer, Pierce R.
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Director

Larison, Ralph
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Director

Sheth, Rajan
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Director

Steinke, Richard D.
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Senior Vice President / Chief Operations Officer

Plasencia, Douglas J.
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Senior Vice President

Rhoads, Richard M.
2185 N. California Blvd.
Suite 500
Walnut Creek, CA 94596

Title Senior Vice President

Sparrow, Jeffrey L.
21308 Small Branch Place
Ashburn, VA 20148

Title VP

McBurney, Willson
1025 Greenwood Blvd.
Suite 371
Lake Mary, FL 32746

Title Director

Anghera, Michelle

Title Senior Vice President

1025 Greenwood Blvd.
Suite 371
Lake Mary, FL 32746

Title Director

Anghera, Michelle
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Title Director

Nevada, Jim
4225 E. Conant Street
Suite 101
Long Beach, CA 90808

Title VP

Herrman, Michael N.
501 East Kennedy Blvd.
Suite 1910
Tampa, FL 33602

Title VP

Nance, Darrell A.
1025 Greenwood Blvd.
Suite 371
Lake Mary, FL 32746

Title Director

Schner-Behler, Lynn L.
4225 E. Conant Street
Suite 101
LONG BEACH, CA 90808

Annual Reports

Report Year	Filed Date
2021	01/04/2021
2021	01/13/2021
2021	08/23/2021

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

Request for Taxpayer Identification Number and Certification

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

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

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

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC

C Corporation

S Corporation

Partnership

Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶ _____

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

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

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

5 Address (number, street, and apt. or suite no.) See instructions.
4225 E. CONANT STREET

6 City, state, and ZIP code
LONG BEACH, CA 90808

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

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

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

Social security number									
				-					
or									
Employer identification number									
9	5	-	1	9	5	1	3	4	3

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here

Signature of U.S. person ▶ 

Date ▶ 01/05/2021

General Instructions

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

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

Purpose of Form

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

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

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

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

COMPLETED 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.

ACKNOWLEDGEMENT

Firm Name: Moffatt & Nichol

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.

Page 1 of 2

ADDENDUM NO. 1

21-0940

Signature of Legal Representative Submitting this Bid: *Darrell Nance*

Date: August 30, 2021

Print Name: Darrell Nance, PE

Title: Vice President

Primary E-mail Address: dnance@moffattnichol.com

Secondary E-mail Address: kabel@moffattnichol.com



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: Moffatt & Nichol

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: *Darrell Nance*

Date: 9/15/2021

Print Name: Darrell Nance, PE

Title: Vice President

Primary E-mail Address: dnance@moffattnichol.com

Secondary E-mail Address: kabel@moffattnichol.com

PROOF OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/24/2020

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 Dealey, Renton & Associates License #0020739 600 Anton Boulevard, Suite 100 Costa Mesa CA 92626	CONTACT NAME: PHONE (A/C, No, Ext): 714-427-6810 FAX (A/C, No): 714-427-6818 E-MAIL ADDRESS: certificates@dealeyrenton.com	
	INSURER(S) AFFORDING COVERAGE NAIC #	
INSURED Moffatt & Nichol 4225 E. Conant Long Beach CA 90808	INSURER A: Continental Insurance Company 35289	
	INSURER B: Ace American Insurance Company	
	INSURER C: National Union Fire Insurance Co PA 19445	
	INSURER D: Transportation Insurance Company 20494	
	INSURER E: American Guarantee and Liability Insurance Co 26247	
INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** 579872046 **REVISION NUMBER:**

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

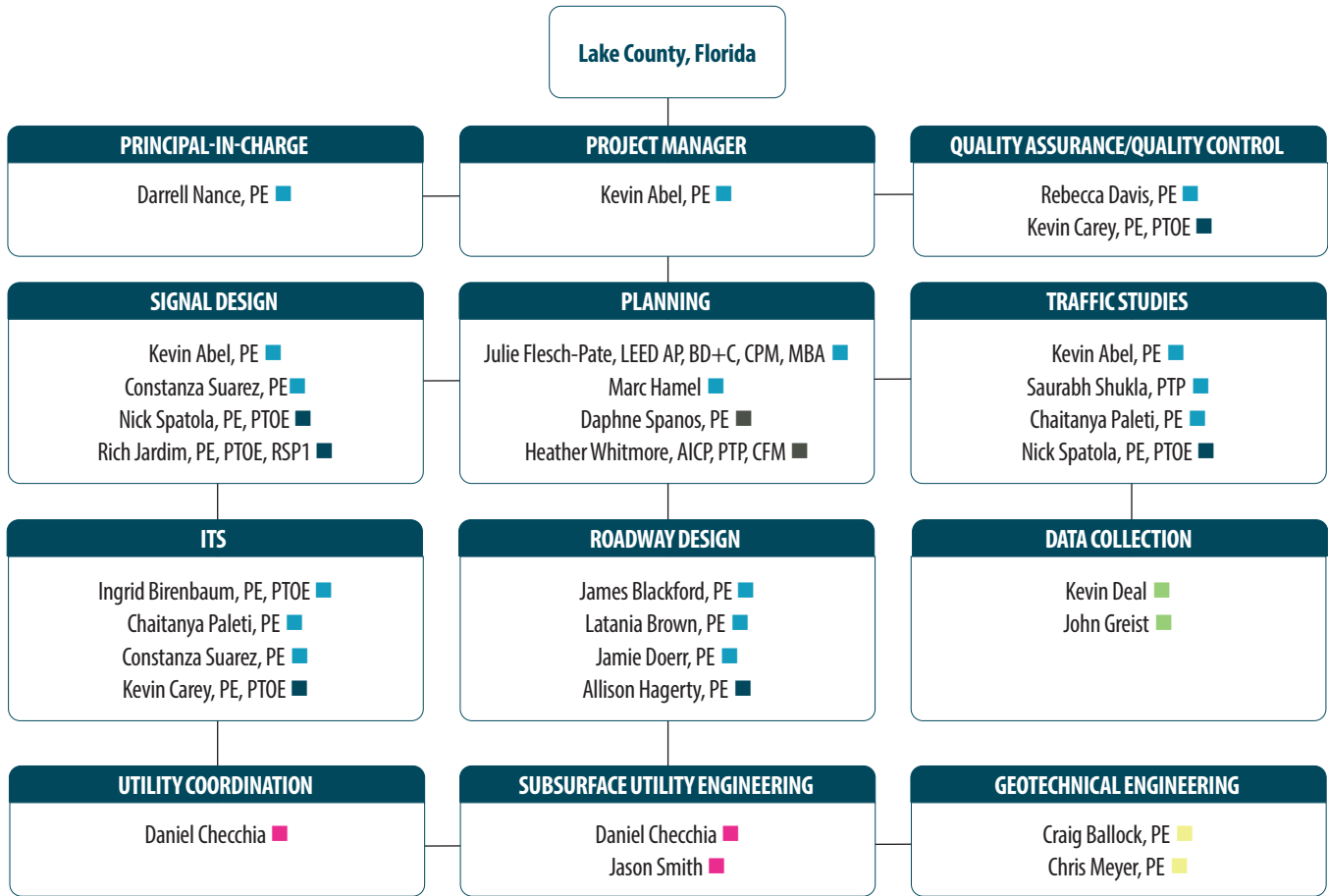
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Ded /SIR \$0 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	Y	Y	6056712992	11/22/2020	11/22/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Project / Loc Agg \$ 15M
D	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> OTHER:	Y	Y	6056712989	11/22/2020	11/22/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Comp / Coll Ded \$ 1,000
A E	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			6079627982 AEC576168007	11/22/2020 11/22/2020	11/22/2021 11/22/2021	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 Deductible / SIR \$ 10,000
C C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC19397907 WC19397906	11/22/2020 11/22/2020	11/22/2021 11/22/2021	<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
B	Professional Liability Claims Made			G25660225007	11/22/2020	11/22/2021	per claim \$ 1,000,000 annl aggr. \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Worker's Compensation extends to include Jones Act and USL&H
 Umbrella policy is a follow-form to underlying General Liability/Auto Liability/Employers Liability
 Pollution Legal Liability is included on the Professional Liability Coverage
 **Excess Liability Limit: \$15,000,000. Deductible: \$0.

CERTIFICATE HOLDER Proof of Coverage	CANCELLATION 30 Day Notice of Cancellation SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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Team Organizational Chart



Legend

- Moffatt & Nichol
- Colliers Engineering & Design
- EXP
- Faller Davis & Associates
- Geotechnical and Environmental Consultants
- NDS

KEVIN ABEL, PE

PROJECT MANAGER / SIGNAL DESIGN / TRAFFIC STUDIES
Moffatt & Nichol



Kevin Abel is an experienced transportation engineer and project manager who has successfully performed work in traffic engineering, roadway planning, National Environmental Policy Act (NEPA) studies, roadway design, preparation of construction plans, erosion control plan preparation and inspection, field surveys, and data gathering. He has experience overseeing design and production staff.

REPRESENTATIVE PROJECT EXPERIENCE

General Engineering Consultant, FDOT District 3, Florida. Traffic engineer providing quality assurance of all types of plans and studies produced for FDOT District 3. All plans are checked against the FDOT Design Manual, FDOT Design Standard Plans, FDOT Standard Specifications, and all other FDOT guidelines with a focus on biddability and constructability. Responsibilities include plans review, entering and responding to comments in the Electronic Review Comments (ERC) system, review of various traffic studies, and attendance at traffic operations study review meetings.

SR 30 (US 98) at Stahlman Avenue Intersection, FDOT District 3, Destin, Florida. Engineer-of-record for signalization plans. Project involves replacement of two existing mast arms to accommodate an additional turn lane. A design variation memo was required for a diagonal mast arm.

SR 45 Driveways Task Orders 5, 14, and 16, FDOT District 1, Sarasota, Florida. Project manager responsible for design of project elements including geometry and pavement marking, managing client relations and work force, scheduling, deliverables, and budget. Responsible for preparing materials for public involvement meetings and public outreach. This driveway improvement project along a 2.5-mile section of SR 45 included preparation of driveway exhibits and property owner notification letters as well as preparation of median opening concepts exhibits.

US 19 at St. Andrews Boulevard/Country Road New Traffic Signals, FDOT District 7, Hernando County, Florida. Engineer-of-record for signalization, lighting, and signing and pavement marking plans on this project. This safety improvements project consisted of the installation of three new traffic signal mast arm structures with luminaires on US 19 at St. Andrews Boulevard in Hernando County to address a high incidence of traffic fatalities.

US 92/Hillsborough Avenue at MacDill Avenue Signal Conversion, FDOT District 7, Hillsborough County, Florida. Engineer-of-record for signalization plans. This safety improvements project consisted of converting an emergency traffic signal to a conventional signal so that a crosswalk could be added at US 92/Hillsborough Avenue at MacDill Avenue.

US 19 at Sea Ranch Drive Signal, FDOT District 7, Pasco County, Florida. Engineer-of-record for signalization, signing and pavement marking, and lighting plans. This safety improvements project consisted of the new traffic signals at US 19 and Sea Ranch Drive in Pasco County.

SR 429 (Wekiva Parkway) Segment 6 Design-Build, FDOT District 5, Lake and Seminole Counties, Florida. Engineer-of-record for temporary traffic signal plans and completed quality control checks of the signing and marking plans. This project designed and constructed 5.5 miles of limited-access toll road largely along the existing SR 46 corridor from west of Old MacDonald Road to east of Osprey Hammock Trail.

Highwoods Preserve Parkway at Highwoods Palm Way Roundabout Intersection Improvements, City of Tampa, Hillsborough County, Florida. Traffic engineer who provided traffic analysis services for a new roundabout at the intersection of Highwoods Preserve Parkway and Highwoods Palm Way. Traffic and operational analysis consisted of performing SIDRA analysis of existing traffic volumes to determine the optimal entry, circulatory, and exit lane configuration for the roundabout.

SR 5 from Midway to Edwards, FDOT District 4, St. Lucie County, Florida. Traffic engineer-of-record for temporary traffic control plans and signing and pavement marking plans for a partial reconstruction and resurfacing, restoration, and rehabilitation project on an urban five-lane section of SR 5. Signing and pavement marking plans included multi-post designs with Guidsign worksheets for nonstandard panels.

EDUCATION

BS, Civil Engineering, University of Memphis, 2007

REGISTRATION

Professional Engineer:
Florida, 81605, 2016

CERTIFICATIONS

FDOT Specifications Package
Preparation

Occupational Safety and Health
Administration 10-Hour General
Industry

Advanced Temporary Traffic Control,
#22652

DARRELL NANCE, PE

Principal-in-Charge
Moffatt & Nichol



Darrell Nance has more than 35 years of civil engineering experience, with a focus in transportation in Central and North Florida. Darrell's expertise ranges from program and project management, project planning and scheduling, cost estimating and regulatory authority coordination to schematic, preliminary, and final design of expressway, interstate, municipal street, rural roadway, and arterial highway facilities. He is also experienced in bridge design, construction engineering and inspection, stormwater management, site development, surveying, CAD, and aviation and rail projects.

Darrell has worked extensively with FDOT Districts 2, 3, and 5, and multiple counties serving as principal-in-charge on transportation design projects and managing facilitation of general engineering consultant (GEC) services contracts. Darrell has extensive experience in technical and fee proposal preparation, contract bidding and administration, contract services, quality assurance/quality control (QA/QC) program implementation, and expert witness testimony.

Darrell has more than 24 years of operational experience in recruitment and project staffing of over 500 technical employees. As part of a retention program, he created and implemented a Transportation Graduate Training Program that trained and transitioned graduate trainees from their educational past into highly effective employees.

REPRESENTATIVE PROJECT EXPERIENCE

I-4 Ultimate Project Management Consultant Contract, FDOT District

5, DeLand, Florida. Project principal for the management of design activities on the I-4 corridor involving master plan implementation.

Seminole County GEC Contract, Seminole County, Florida. Project principal for the management of projects included in Seminole County's one-cent sales tax initiative. Served in a program oversight role, responsible for providing technical resources, including experienced staff for necessary support activities.

Orlando-Orange County Expressway Authority (OOCEA), Florida. Program principal providing transportation engineering services for the OOCEA (now Central Florida Expressway [CFX]) for its system of over 100 miles of toll roads in Central Florida. Services included long-range transportation planning, financial management, consultant coordination, highway and toll facility engineering, design, and survey services.

Osceola County GEC Contract, Osceola, Florida. Project manager who provided as-needed services to facilitate critical project completion.

World Drive, Walt Disney World Magic Kingdom, Disney Development Company, Celebration, Florida. Provided technical oversight and project management for this Disney Development Company project to include widening and rehabilitation of an existing section of World Drive from Vista Drive to the water bridge at Seven Seas Lagoon in the Magic Kingdom Theme Park.

Wickham Road Phase IV, Brevard County, Florida. Project manager and technical lead for this 5-mile widening project from two to four lanes, with a construction cost of \$14M. Services included preliminary engineering, final design, and construction management from the Pineda Causeway to I-95.

Wickham Road Phase III, Brevard County, Florida. Project manager responsible for the technical management of preliminary engineering, final design, and construction management services for 2.2 miles of an urban arterial facility from Post Road to the Pineda Causeway.

I-95 High-Occupancy Vehicle Project, Miami-Dade County Line to Griffin Road, FDOT District 4, Broward County, Florida. Project manager responsible for all elements of design extending from Stirling Road to Griffin Road.

EDUCATION

BS, Civil Engineering, University of Alabama, Birmingham, 1984

BS, Engineering, University of Alabama, Birmingham, 1982

REGISTRATION

Professional Engineer:
Florida, 35730, 1985

AFFILIATIONS

American Railway Engineering and
Maintenance-of-Way Association

American Society of Civil Engineers

Florida Engineering Society

National Society of Professional
Engineers

REBECCA DAVIS, PE

Quality Assurance/Quality Control
Moffatt & Nichol



Rebecca Davis has more than 16 years of transportation engineering experience in Florida, including more than 11 years with FDOT District 5. During that time, she served in positions such as lead designer, engineer-of-record, and project manager on District 5 projects ranging from resurfacing and bridge replacement to complete reconstruction. Her experience included all aspects of the plans production process, scope development, project schedule and budget management, and consultant acquisition activities. As a consultant, Rebecca has served as project manager, engineer-of-record, quality control reviewer, and project engineer on transportation projects throughout Florida.

REPRESENTATIVE PROJECT EXPERIENCE

Continuing Services Contract for Roadway Design #016, FDOT District 5, Florida. Contract manager and quality control reviewer for this task-based design contract including major work groups 3.1 and 3.2. This is a five-year \$5M contract, and all projects must be designed and constructed with the five-year contract duration. Tasks assigned to this contract include three resurfacing projects and two signalization projects.

District 3 General Engineering Consultant, FDOT District 3, Chipley, Florida. Plans reviewer with a focus on the roadway discipline. Documents include roadway plans, temporary traffic control plans, typical section packages, design variations, and exceptions. Responsibilities include reviews and entering and responding to comments in the ERC system

Districtwide Quality Assurance Plans Review Support Services, FDOT District 5, Florida. Project manager and plans reviewer for this continuing contract that involves quality assurance of all types of plans produced for FDOT District 5. All plans are checked against the FDOT Design Manual, FDOT Design Standard Plans, FDOT Standard Specifications, and all other FDOT guidelines with a focus on biddability and constructability. As a subconsultant to BCC Engineering, responsibilities include plans reviews, comment compilation, workload assignment, and management.

Jamestown Turn Lane Improvement, Altamonte Springs, Florida. Quality control reviewer for this turn lane widening project that includes addition of a right-turn lane at an urban intersection. Project included preparation of an alternatives analysis, roadway, drainage, and pavement markings design, utility coordination, cost estimate development, and preparation of construction plans.

SR 514 Intersection Improvements, Brevard County, FDOT District 5, Florida. Engineer-of-record for the roadway design and signing and pavement markings for this turn-lane widening project. The project will add turn lanes at two intersections on the two-lane rural roadway. The project involves right-of-way acquisitions, temporary traffic control plan and detours, a detailed pavement design to mitigate a high-water table, and coordination with the local government.

SR 429 Widening from West Road to SR 414, CFX, Orange County, Florida. Quality control reviewer for the widening of 4.4 miles of SR 429 from just north of West Road to the SR 429/SR 414 interchange for CFX. The project will increase capacity from a four- to six-lane roadway and allow room for future expansion. Project improvements include widening to the inside with through lanes in each direction with full-depth shoulders and a median barrier wall. This project includes widening the existing bridges over West Orange Trail, West McCormick Road, Harmon Road, and the southbound off-ramp to SR 414. It also includes replacing the existing bridge over Ocoee Apopka Road with a new single span bridge. Additional items of work include, signing and pavement markings, intelligent transportation systems (ITS), and lighting.

EDUCATION

MS, Civil Engineering, University of Central Florida, 2007

BS, Civil Engineering, Michigan State University, 2003

REGISTRATION

Professional Engineer:
Florida, 69131, 2009

CERTIFICATION

Advanced Maintenance of Traffic

TRAINING

Certified Public Manager Program

FDOT's Supervisor and Management Academies

FDOT Roadway Design and 3D Modeling Course

Florida Engineering Leadership Institute Program

INGRID BIRENBAUM, PE, PTOE

ITS
Moffatt & Nichol



Ingrid Birenbaum has more than 30 years of experience in the transportation industry. She supports traffic engineering/operations, ITS, transportation systems management and operations (TSM&O), and traffic incident management assignments. Her focus has involved the management of technical and operations-oriented projects including business model development, strategic planning, and performance measure applications. She has conducted best practice research on TSM&O programs, supplying relevant and current data to projects for ITS clients. Ingrid previously served as the district traffic operations engineer for Florida's Turnpike Enterprise, giving her a thorough understanding of public sector transportation organization, practices, and concerns.

REPRESENTATIVE PROJECT EXPERIENCE

District 3 General Engineering Consultant, FDOT District 3, Chipley, Florida.

Traffic operations functional manager for design and delivery of ITS and TSM&O projects and services for improvements to safety and mobility. Coordinate with FDOT and partner agencies to coordinate stakeholder efforts for joint funding requests.

Statewide ITS Communications General Consultant (CGC) Services, FDOT Central Office, Florida Statewide. Project principal for FDOT Central Office CGC staff to assist with all ITS communications issues, including land-mobile radios, microwave systems, and fiber-optic communications.

Statewide ITS System General Consultant Services, FDOT Central Office, Florida Statewide. Technical advisor to FDOT Central Office ITS staff, particularly in the area of TSM&O. Assisted with congestion management issues to maximize transportation safety and mobility. Efforts included development of TSM&O strategic plan and guidance documents for implementation and performance evaluation. Facilitated statewide workshops with FDOT and local partners to integrate TSM&O concepts and strategies. Additional work included evaluation of the I-95 corridor for potential ITS operations and maintenance contract consolidation to realize efficiencies and improve operations and development of ITS maintenance contract boilerplate language to help achieve consistency, predictability, and reliability. This multiyear ITS general consultant services contract involved providing technical, management, and administrative tasks related to the planning, architecture and standards development, integration, operations, maintenance, telecommunications, and mainstreaming of ITS throughout Florida. This contract also consisted of preparing design criteria packages for ITS implementation, deployment, and integration of more than 2,200 miles of ITS on the limited-access corridors in Florida. Major initiatives along these corridors included providing coordinated operations for all modes; active facilities management involving freeway management systems, incident management, evacuation coordination, smart work zones, commercial vehicle-information systems, and commercial vehicle information systems and networks-related projects; and information sharing in the form of central data warehousing and advanced traveler information systems.

EDUCATION

MS, Civil/Transportation Engineering, University of South Florida, 2003

BS, Civil Engineering, University of Florida, 1988

REGISTRATION

Professional Engineer: Florida, 47097, 1993

CERTIFICATIONS

Professional Traffic Operations Engineer, #1279, 2005

Florida Society of Certified Public Managers, Florida Center for Public Management, 1996

Florida Department of Transportation, Advanced Maintenance of Traffic, #49369, 2019

AFFILIATIONS

Institute of Transportation Engineers – Management & Operations and ITS/Traffic Engineering Councils

ITS America – Transportation Management Forum

International Bridge, Tunnel, and Turnpike Association

Transportation Research Board – Regional Transportation Systems Management and Operations Committee, Traffic Incident Management Subcommittee

National Cooperative Highway Research Program (NCHRP) Project Panel 20-116: Emergency Management in State Transportation Agencies

NCHRP Project Panel 25-47: Strategies to Reduce Agency Costs and Improve Benefits Related to Highway Access Management

JAMES BLACKFORD, PE

Roadway Design
Moffatt & Nichol



James Blackford has more than 14 years of transportation engineering experience in Florida, including more than eight years with FDOT. As an FDOT roadway engineer, he was responsible for managing design projects, leading teams in producing roadway plans, and assisting with consultant selections and negotiations. As a consultant, James leads project teams during design and production, coordinates with clients and subconsultants, prepares cost estimates, and assists in developing project schedules and budgets.

REPRESENTATIVE PROJECT EXPERIENCE

Coast to Coast Trail—Orange County Gap, Orange County, Florida. Project engineer for the design of the Orange County Gap (Section 2) of the Coast to Coast Trail in northwest Orange County—a 3.9-mile section from the Hiwassee Road/Clarcona-Ocoee Road intersection to the junction of US 441/SR 414. Project includes the design of trail geometry, ramp widening, milling and resurfacing, drainage design, minor structure design, the design of special pedestrian accommodations during construction, a roadway lighting impact evaluation, signal upgrades, permitting, utility coordination, public involvement, and trail signing/marketing design.

SR 40 Resurfacing from Rodeo Road to Tomoka River, FDOT District 5, Volusia County, Florida. Engineer-of-record for the resurfacing of 6.3 miles of SR 40 from east of Rodeo Road to the bridge over the Tomoka River. The project includes resurfacing the existing roadway to meet the required structural number, correcting deficient cross slopes, constructing asphalt aprons at unpaved turnouts, replacing sidewalk, and installing new curb ramps at Tymber Creek Road. This project also includes preparation of temporary traffic control plans for vehicles and pedestrians.

Districtwide Quality Assurance, FDOT District 5, Florida. Plans reviewer for this continuing contract that involves quality assurance of all types of plans produced for FDOT District 5. All plans were checked against the FDOT Design Manual, FDOT Design Standard Plans, FDOT Standard Specifications, and all other FDOT guidelines with a focus on biddability and constructability. Responsibilities included plans review, entering and responding to comments in the ERC system.

SR 514 Intersection Improvements, Brevard County, FDOT District 5, Florida. Quality control reviewer for the roadway design and signing and pavement markings for this turn-lane widening project. The project will add turn lanes at two intersections on the two-lane rural roadway. The project involves right-of-way acquisitions, temporary traffic control plan and detours, a detailed pavement design to mitigate a high-water table, and coordination with the local government.

CR 655 (K-ville Avenue) at Recker Highway, Turn Lane Widening, Polk County, Florida. Engineer-of-record responsible for the design of an additional right-turn lane at the intersection of CR 655 and Recker Highway. Included coordination with FDOT, roadway widening, gravity wall construction, and drainage design.

SR 26 (West Newberry Road) from NW 75th Street to NW 69th Terrace, FDOT District 2, Alachua County, Florida. Project engineer responsible for design/production to implement safety improvements. Work included roadway widening, construction of pier protection, drainage, and signal upgrades.

SR 472 from East of Dr. Martin Luther King Beltway to West of Graves Avenue, FDOT District 5, Volusia County, Florida. Project engineer responsible for the design/production to resurface, restore, and rehabilitate SR 472 from pavement joint east of Dr. Martin Luther King Beltway to pavement joint west of Graves Avenue.

SR 10 (US 90) from US 301 to Jones Road, FDOT District 2, Duval County, Florida. Project engineer responsible for design/production to resurface, restore, and rehabilitate SR 10 from US 301 to Jones Road. Work included intersection improvements at Chaffee Road intersection, shoulder widening, and keyhole construction.

EDUCATION

MS, Transportation Systems Engineering, University of Central Florida, 2013

BS, Civil Engineering, University of Florida, 2006

REGISTRATION

Professional Engineer: Florida, 72980, 2011

CERTIFICATIONS

Advanced Maintenance of Traffic (MOT) Certified

FDOT's Supervisor and Management Academies

FDOT Roadway Design and 3D Modeling Course

FDOT Roundabouts Design Training

LATANIA BROWN, PE

Roadway Design
Moffatt & Nichol



Latania Brown has experience with a variety of transportation projects for Florida municipalities. These projects include roadway improvements, resurfacing, and access management studies for cities and counties as well as major highway projects for FDOT and CFX. Prior to joining Moffatt & Nichol, Latania was a deputy project manager for Florida's Turnpike Enterprise where she was responsible for project management, scheduling and work program efforts, scope development and review, and preparing contract files for closeout.

REPRESENTATIVE PROJECT EXPERIENCE

SR 429 Widening from West Road to SR 414, CFX, Orange County, Florida.

Project engineer responsible for assisting with roadway design, gore details, and traffic control design for the widening of 4.4 miles of SR 429 from just north of West Road to the SR 429/SR 414 interchange for CFX. The project will increase capacity from a four- to six-lane roadway and allow room for future expansion. The project improvements include widening to the inside with through lanes in each direction with full-depth shoulders and a median barrier wall. This project includes widening the existing bridges over West Orange Trail, West McCormick Road, Harmon Road, and the southbound off-ramp to SR 414. It also includes replacing the existing bridge over Ocoee-Apopka Road with a new single-span bridge. Additional items of work include signing and pavement markings, ITS, and lighting.

SR 429 Widening from Turnpike to West Road, CFX, Orange County, Florida. Project engineer responsible for assisting with traffic control design for the widening of 4.4 miles of SR 429 from the SR 429/Turnpike interchange to just north of West Road for CFX. The project will increase capacity from a four- to six-lane roadway and allow room for future expansion. The project improvements include widening to the inside with through lanes in each direction with full-depth shoulders and a median barrier wall. The project includes the widening of 21 bridges at 11 different bridge sites. As a subconsultant to PTG, M&N is responsible for preparing the maintenance of traffic plans for this project.

Turnpike Mainline Widening, Florida's Turnpike Enterprise, Osceola County, Florida. Project engineer responsible for assisting with traffic control design and roadway design for this four- to eight-lane widening project including express lanes for 7 miles of the Turnpike Mainline. The project involves replacing six medium-span bridges over the Turnpike Mainline, replacement of two medium-span bridges over local roads, and replacement of two bridges along the Turnpike Mainline. Additional scope items include operational improvements at three interchanges, introduction of all-electronic tolling throughout the corridor, noise barrier walls, drainage, signing and pavement marking, signalization, lighting, and ITS. The project will be delivered in a 3D design compatible format in accordance with FDOT guidelines.

Orange Avenue Roadway Improvements Final Design, City of Altamonte Springs Public Works, City of Altamonte Springs, Florida. Responsible for corridor model design, plans production, and design documentation. Project involved preliminary and final plans for Orange Avenue roadway improvements from SR 434 to SR 436.

SR 436 Mast Arm Conversion Design, City of Altamonte Springs Public Works, City of Altamonte Springs, Florida. Project engineer responsible for roadway design, team coordination, plans production, and quantities. Existing span wire-mounted signals were replaced with mast arms and existing curb ramps and signalized pedestrian features were verified for compliance with Americans with Disabilities Act (ADA) criteria on three different intersections along SR 436. Cracked or non-compliant (slope) sidewalk at each intersection was identified, and a design was proposed for each needed replacement.

EDUCATION

BS, Civil Engineering, University of
Central Florida, 2013

REGISTRATION

Professional Engineer:
Florida, 86464, 2018

AFFILIATIONS

Women in Transportation

American Society of Civil Engineers
Younger Member Forum

Toastmasters International

JAMIE DOERR, PE

Roadway Design
Moffatt & Nichol



Jamie Doerr is a project engineer with an emphasis on roadway and transportation projects. Her more than eight years of experience have involved roadway widening, resurfacing, restoration, and rehabilitation projects. Jamie is proficient in the use of MicroStation to assist in plans and preparation of design projects including the production of plans, profiles, cross sections, special details, typical sections, and temporary traffic control for roadway projects. Her experience has been focused on temporary traffic control plans and roadway safety improvement projects.

REPRESENTATIVE PROJECT EXPERIENCE

SR 429 Widening from West Road to SR 414, CFX, Orange County, Florida.

Designer for the widening of 4.4 miles of SR 429 from just north of West Road to the SR 429/SR 414 interchange for CFX. The project will increase capacity from a four- to six-lane roadway and allow room for future expansion. Project improvements include widening to the inside with through lanes in each direction with full-depth shoulders and a median barrier wall. This project includes widening the existing bridges over West Orange Trail, West McCormick Road, Harmon Road, and the southbound off-ramp to SR 414. The existing bridge over Ocoee-Apopka Road will be replaced with a new single-span bridge. Median drainage will accommodate a future ultimate ten-lane section. Additional items of work include signing and pavement markings, ITS, and lighting.

SR 514 Intersection Improvements, FDOT District 5, Brevard County, Florida. Project engineer for this intersection improvement project. The project will add turn lanes at two intersections on the rural two-lane roadway. The project involves right-of-way acquisition, pavement design, variations, and coordination with the Town of Malabar for land designated as part of a trust.

SR 40 Resurfacing, FDOT District 5, Volusia County, Florida. Project engineer for this roadway improvement project. Project included pavement resurfacing, sidewalk, and intersection improvements along 6.3 miles of roadway.

SR 520 Resurfacing, FDOT District 5, Brevard County, Florida. Roadway engineer for this roadway improvement project. Project included pavement resurfacing, guardrail improvements, and bridge approach slab overbuild design along 2.7 miles of roadway.

SR 46 Wekiva 3B Reconstruction, FDOT District 5, Mount Dora, Florida. Project designer who prepared plans for 1.2 miles of SR 46, 1 mile of US 441, and reconfiguring of the interchange at SR 46 and US 441 in Lake County.

SR 400 Resurfacing, Restoration and Rehabilitation, FDOT District 5, Volusia County, Florida. Project designer for this resurfacing, restoration, and rehabilitation project for resurfacing, drainage improvements, sidewalk construction, signalization, and signing and striping of 2.4 miles of SR 400 heavily used by the blind community of Daytona Beach.

SR 520 Resurfacing, Restoration, and Rehabilitation, FDOT District 5, Brevard County, Florida. Project designer for this resurfacing, restoration, and rehabilitation project in conjunction with three additional projects. The project involved resurfacing, replacing seven signals and relocating one, landscaping, shoulder and sidewalk construction, and drainage improvements for 2.3 miles of SR 520.

SR 152 Baymeadows Road Design, FDOT District 2, Duval County, Florida. Project designer for five intersections and sidewalk improvements along Baymeadows Road. Jacksonville Transportation Authority started this project, but it was taken over by FDOT District 2. The project required updating plans to FDOT standards and revising the temporary traffic control to provide better continuity between intersections. The project also involved right-of-way acquisition, and some utility design was required through a joint powers agreement with Jacksonville Utilities.

EDUCATION

BS, Civil Engineering, University of Central Florida, 2011

REGISTRATION

**Professional Engineer:
Florida, 87349, 2019**

CERTIFICATIONS

**Qualified Stormwater Management
Inspector, #29259, Florida Department
of Environmental Quality, 2013**

**Certified in Advanced Maintenance of
Traffic, FDOT, 2014**

JULIE FLESCH-PATE, LEED AP, BD+C, CPM, MBA

PLANNING
Moffatt & Nichol



Julie Flesch-Pate has 25 years of in-depth NEPA/State Environmental Policy Act (SEPA) experience with environmental projects, including 19 years as a NEPA project manager. Her duties include day-to-day coordination with clients, preparation of feasibility and planning studies, and NEPA/SEPA environmental review and compliance for multimodal transportation projects. Julie has authored and prepared technical reports including analysis of social, economic, air, noise and natural resource data to be used in developing and analyzing alternatives under NEPA and related federal, state, and local environmental laws and regulations.

REPRESENTATIVE PROJECT EXPERIENCE

North Carolina Department of Transportation (NCDOT) Feasibility Studies Limited Services Agreement, North Carolina. Contract manager for all express design evaluations and project scoping processes for projects intended to go through NCDOT's prioritization process (SPOT), in accordance with the Strategic Transportation Investments Law.

City of Norfolk Public Works Department, Rehabilitation of Campostella Bridge over Elizabeth River, Norfolk, Virginia. Environmental task project manager for the completion of NEPA documentation and regulatory permitting for this locally administered project.

NCDOT SR 1009 (Charlotte Avenue) (TIP U-6031), Mecklenburg County, North Carolina. Project manager and environmental leader for development of a DOT categorical exclusion.

NCDOT Wentworth Street (SR 1998) and Sandy Cross Road (SR 1001) (R-5704) Town of Wentworth, North Carolina. Community studies specialist for transportation project. The community assessment included the completion of a combined community characteristics report and community impact assessment.

NCDOT NC 279 Widening and Intersection Improvements (TIP U-2523B & U-5778), Town of Dallas, North Carolina. Project manager and environmental planner for the DOT categorical exclusion environmental assessment and stakeholder engagement.

NCDOT, US 64 (11th Street) Improvements (TIP U-5737), Siler City, North Carolina. Project manager and environmental planner for development of NEPA/SEPA environmental assessment.

Tennessee Department of Transportation Environmental Studies, US 64 (Corridor K – Ocoee River Gorge Section) from West of the Ocoee River to State Route 68 near Ducktown, Polk County, Tennessee. NEPA project manager for transportation planning report and NEPA environmental impact statement to address proposed transportation improvements for a 22-mile-long section of US 64 through the Ocoee River Gorge.

US Army Corps of Engineers, Wilmington District, Virginia. Project manager for the delivery of a master plan and NEPA environmental assessment for the Philpott Dam and Reservoir in Virginia.

NCDOT SR 2472 (Mallard Creek Road) (TIP U-6028), Mecklenburg County, North Carolina. Project manager and environmental leader for planning and engineering design services to widen SR 2472 and provide bicycle and pedestrian accommodations for approximately 1.5 miles, including connections to a multi-use path.

NCDOT NC 3 (Concord Lake Road/Branchview Drive (TIP U-5773), Cabarrus County, North Carolina. Project manager and environmental leader for planning and engineering design services to widen NC 3 and provide bicycle and pedestrian accommodations for approximately 8 miles.

NCDOT Environmental and Engineering Studies for Bridge Groups, North Carolina. Project manager and environmental planner for project development, environmental, and/or engineering services related to the preparation of the environmental documents and preliminary designs associated with Bridge Group E for NCDOT's Division 3.

EDUCATION

Master of Business Administration,
Meredith College, North Carolina, 2018

BS, Biochemistry, Oakland University,
Michigan, 1992

CERTIFICATIONS

LEED AP BD+C, #10101679, 2010

Certified Public Manager (CPM),
Government Services Consortium,
Kentucky State University, 1998

MARC HAMEL

PLANNING
Moffatt & Nichol



Mr. Hamel's 35+ year professional background includes more than 28 years at NCDOT. His career also includes work with North Carolina State University's Transportation Division and the North Carolina State Ports Authority (Wilmington and Morehead City). His initial time with NCDOT was spent within the Project Development and Environmental Analysis (PDEA) Unit, completing highway planning projects and feasibility studies. The last 18 years were spent with the NCDOT Rail Division, the last six of which were managing and leading the Rail Project Development and Environmental Unit.

EDUCATION

BS, Civil Engineering, North Carolina State University, 1986

As a senior NEPA, public involvement and rail specialist, Marc regularly serves as a project manager for projects and open-ended contracts. His roles as project manager include managing multi-disciplined, multi-firm consulting teams completing concurrent task orders as well as more focused single task order projects. He is accustomed to providing project oversight; client coordination; subconsultant coordination; status reporting to clients and internal stockholders; and schedule, cost, and document controls. He has monitored resource demands and availability, provided and obtained quality control reviews, and provided technical guidance and support for individual tasks as part of maintaining quality and meeting established time schedules. This ability to develop quality products while meeting schedules and pleasing clients has been fundamental to the company's reliance on him for significant assignments.

Marc's vast and varied experience with roadway, port and rail-related transportation projects includes project management, environmental oversight (NEPA), and public and stakeholder involvement. He brings a wealth of knowledge and understanding of federal agencies including the Federal Highway Administration (FHWA), Federal Railroad Administration, US Department of Transportation (USDOT) Maritime Administration, and Class 1 railroads (CSXT, Norfolk Southern) among others. He has a strong familiarity with USDOT as a funding source for safety upgrades related to transportation projects. Marc's strong understanding of the NEPA process comes from managing highway NEPA documents in NCDOT's Division of Highways PDEA Branch (and its predecessors) from 1988 to 1998. These included projects through the environmental assessment and Findings of No Significant Impact level. At the Rail Division, Marc managed or produced all levels of environmental technical reports and documents, from feasibility and concept studies all the way through an environmental impact statement (EIS). For six years in the Rail Division, Marc managed the 163-mile Tier II EIS process for the Southeast High-Speed Rail project from Raleigh, North Carolina to Richmond, Virginia. He also led a legislatively mandated return-on-investment study that evaluated three transportation projects from a logistics perspective.

REPRESENTATIVE PROJECT EXPERIENCE

NCDOT Rail WBS 42751 Wilmington Parking Lot, Wilmington, North Carolina. Project manager for parking lot connection between Campbell and Hanover Streets near 3rd Street.

NCDOT U-5716 Convert Intersection to Interchange, Jacksonville, North Carolina. Project manager and NEPA document writer who evaluated the effects for natural, human, and cultural environment and assessed impacts. U-5716 is the proposed conversion of a congested at-grade intersection to a grade-separated interchange. The location is in the northwest corner of Jacksonville, North Carolina. Moffatt & Nichol prepared roadway design plans, preliminary hydraulics report, delineated streams and wetlands, conducted public involvement activities and prepared an FHWA-compliant draft categorical exclusion environmental document.

NCDOT, Belmont Trail Final Design, North Carolina. Project manager and NEPA document writer. Moffatt & Nichol is working with the City of Belmont and NCDOT Rail Division to develop a 10-foot-wide greenway alongside the inactive railroad corridor that runs from downtown Belmont north to Belmont Abbey College in the City of Belmont. The greenway represents an 8-mile section of the Carolina Thread Trail. Moffatt & Nichol is to complete greenway planning and design; environmental documentation; public engagement; signal design; and provide oversight of corridor aesthetic enhancement planning, wayfinding/signage design, and construction administration.

CHAITANYA PALETI, PE

TRAFFIC STUDIES / ITS
Moffatt & Nichol



Chaitanya Paleti has more than seven years' experience in transportation engineering, having acquired hands-on, in-depth knowledge of macro- and micro-level modeling techniques. He has developed complex micro-simulation models in VISSIM using static and dynamic assignment techniques. He is well-versed in a wide variety of traffic engineering software packages such as Sidra, HCS, PC Warrants, Synchro/SimTraffic, TransModeler, and VISSIM. He has been involved in all aspects of technical analysis including collecting data, evaluating alternatives, developing recommendations, and documenting technical reports and presentations. Additionally, he brings valuable experience from working on both the conventional four-step models and the advanced activity-based travel demand forecast models across the nation.

REPRESENTATIVE PROJECT EXPERIENCE

Tradewinds Parkway Extension Traffic Study, Alpharetta, Georgia. Traffic engineer responsible for analyzing forecast volumes and developing VISSIM models to evaluate intersection performance and identify systemwide improvements in the study area, which is comprised of more than 20 intersections. The City of Alpharetta seeks to evaluate the impact of the proposed GA 400 express lanes on Tradewinds Parkway and other major corridors and intersections in the study area. The project includes extension of Tradewinds Parkway and construction of a new interchange that connects the GA 400 express lanes to Tradewinds Parkway.

Pre-emption Signal Design for Railroad Crossing, Pleasant Hill, Iowa. Traffic engineer developing various pre-emption plans such as the queue cutter signals and the advanced pre-emption signals at a railroad intersection. The City of Pleasant Hill seeks to develop pre-emption plans for a railroad intersection, which includes the proposed improvements to the Pleasant Hill Boulevard and Vandalia Road. Used VISSIM to develop the microsimulation model and VISVAP add-on in VISSIM to develop the pre-emption signal plans.

Operational Analysis of Portsmouth Boulevard, Suffolk, Virginia. Traffic engineer analyzing the turning movement counts to determine peak hour distributions and develop a microsimulation model using VISSIM to evaluate the network performance. The project objective is to evaluate the performance of Portsmouth Boulevard and the major intersections in the study area under existing and future-build conditions. Build improvements include constructing a pedestrian/bike pathway along Portsmouth Boulevard as well as other intersection improvements. The study includes updating the pre-emption plans at the two railroad crossings in the study area along with updating the existing signalized intersections to include pedestrian signals and efficient coordination. He is currently updating the existing signal timing plans for the three intersections and implementing pre-emption plans for the two railroad crossings in the study area. Next, he will be evaluating the performance of various intersections using performance metrics such as the delay, level of service, and queue length measurements.

Need, Effectiveness, And Logical Termini (NELT) Justification Analysis for a project along SR 81, Savannah, Georgia. Traffic engineer for the NELT justification analysis who evaluated the need for extending the project limits beyond the proposed limits. The project under consideration (PI 0015089) includes widening of a 6.5-mile section of SR 81 from east of the Lemon Street to the Bethany Road intersection, from two lanes to four lanes with raised median along with other improvements to various intersections along the corridor. Responsible for updating the future year build models developed in VISSIM, to reflect the improvements associated with preferred build alternative. He performed before and after analysis of network performance using measures of effectiveness such as density, delay, queue lengths, and intersection level of service. Furthermore, he summarized the findings that are required for the justification of logical termini of the project and assisted with documentation of a technical report.

EDUCATION

MS, Civil Engineering, Transportation Engineering, Purdue University, Indiana, 2014

MS, Civil Engineering, Construction, Materials, Purdue University, Indiana, 2011

BT, Civil Engineering, Indian Institute of Technology, India, 2008

REGISTRATION

Professional Engineer:
Florida, 87266, 2019

SAURABH SHUKLA, PTP

Traffic Studies
Moffatt & Nichol



Saurabh Shukla is a senior traffic modeler who provides detailed experience with development, calibration, verification, and execution of traffic models used to simulate, analyze, and forecast existing and future traffic conditions, operations, and capacities for planning and design of transportation facilities. He has collected traffic counts, provided future/project year traffic volumes including peak hour (AM, midday, & PM) and off-peak hour traffic analysis as well as Level of Service analyses. He regularly uses state-of-the-practice simulation models such as VISSIM, TRANSMODLER, SIMTRAFFIC, and University of Florida's Highway Capacity Software to examine transportation corridors, roadway sections, highways, bridges, intersections, and interchanges including aspects such as turning movements/prohibitions. His 19 years of experience has routinely included analysis of facility improvement alternatives for existing, no-build, and build (various alternatives) conditions. In addition to typical traffic analysis, Saurabh has provided similar analyses services for other transportation modes such as light rail and bus rapid transit including modeling stations and stops and updating signal planning/timing/ operation. He has participated in transportation planning and design projects throughout the United States (15 states) as well as in the Middle East.

REPRESENTATIVE PROJECT EXPERIENCE

Dodge Street Bus Rapid Transit (BRT), Omaha, Nebraska. Worked on the traffic (alternatives) analysis task of this project. The alternatives analysis included analysis and comparison of no-build, build with transit signal priority (TSP), and build with queue jump options. The analysis was performed using VISSIM and Synchro.

Nashville (AMP) BRT, Nashville, Tennessee. Helped update the VISSIM networks to incorporate BRT lanes (center and curbside running lanes), bus stations/stops, and updating the signal phasing and timings to include the TSP.

SR 912 (Cline Avenue) Traffic Analysis and Operations Study, East Chicago, Indiana. Responsibilities included traffic forecasting, signal (traffic) operational analysis using Synchro and SimTraffic, roundabout concept development, roundabout vs. signalized intersection comparison, and alternative comparative analysis.

Monroe/Ottawa Traffic Study, Grand Rapids, Michigan. Responsibilities for this Michigan Department of Transportation project included traffic forecast, traffic analysis using Synchro software, roundabout concept development, signal concept development, and a roundabout-signalized comparison report.

River Art District Transportation Improvement Plan, Asheville, North Carolina. Worked as a traffic analyst on the Riverside Drive revitalization project. Responsibilities included traffic counts collection, development of future/project year traffic, and development of the VISSIM model. Also performed traffic operational analysis of the existing condition and future no-build and build alternatives for both AM and PM peak hours. Analysis was performed in VISSIM and Synchro.

Columbia Avenue Interchange Modification Study (S-48), Town of Chapin, South Carolina. This South Carolina Department of Transportation study involved investigation and evaluation of the various viable alternatives for the I-26 and Columbia Avenue interchange. Led the base year, future year no-build and future-build (DDI) model development and calibration tasks. Performed traffic operational analyses and comparative analyses under future year no-build and build conditions. Model development, calibration, and operational analyses were performed using VISSIM and Synchro.

I-26-Asheville Connector (I-2513), Asheville, North Carolina. Worked as simulation lead on the traffic analysis task of the least environmentally damaging practicable alternative. The analysis was performed using TRANSMODELER, HCS and Synchro with Dynamic Traffic Assignment.

EDUCATION

MBA, Finance & Operations North Carolina State University, Expected 2021

MS, Transportation Planning, Michigan State University, 2006

BS, Architecture and Planning (National Institute of Technology) R.E.C. Bhopal, India, 2001

CERTIFICATION

Professional Transportation Planner

TRAINING

TRANSCAD, March 2007

VISSIM, February 2008

VISSIM, June 2010

VISUM, October 2010

CONSTANZA SUAREZ, PE

ITS / Signal Design
Moffatt & Nichol



Constanza Suarez has 14 years of experience in traffic engineering including traffic design, traffic studies, ITS, planning, and project management. She has a broad range of experience that includes traffic design, traffic data collection, roadway characteristics inventory, complete streets, context classification, and corridor studies support. Constanza has been involved in all aspects of a transportation-related project, from planning to final delivery of construction documents.

REPRESENTATIVE PROJECT EXPERIENCE

SR 826/Palmetto Expressway from east of NW 32nd Avenue to west of NW 17th Avenue, FDOT District 6, Miami-Dade County, Florida. Project manager who led ITS analysis and design for this ongoing widening project. Improvements included adding managed lanes along SR 826/Palmetto Expressway, including ITS infrastructure, ramp signaling, and implementing wrong way driving treatment at three entry ramps.

SR A1A from SE 3rd Street to Palm Beach County Line, FDOT District 4, Broward County, Florida. Engineer-of-record for this resurfacing project in the City of Deerfield Beach that included development of roadway plans, signalization plans, and signing and pavement marking plans. Project included roadway widening to accommodate bicycle lanes on each side, sidewalk improvements, and new drainage structures. The use of green colored pavement was recommended to enhance bicyclist safety and awareness where conflicts with parking exist. Utility coordination as well as coordination with the City of Deerfield, Broward County Metropolitan Planning Organization, and FDOT were critical to meet the project schedule and revised goals.

SR 114 (8th Street) from east of Francis Street to east of Boulevard Street, FDOT District 2, Duval County, Florida. Engineer-of-record for this .5-mile resurfacing project. Developed signal plans for loop replacement, pedestrian improvements to meet ADA standards, and signing and pavement marking plans.

SR 91 Resurfacing and Safety Upgrades for Turnpike Mainline, Florida's Turnpike Enterprise, Osceola County, Florida. Engineer-of-record for the signing and pavement marking, signalization, and lighting plans for this 10-mile resurfacing and safety upgrades project. Lighting improvements included upgrading existing interchange lighting to light-emitting diode fixtures at Kissimmee Park Road.

SR 693 (Pasadena Avenue) at Majestic Boulevard, Gulfport Boulevard, and Park Street, FDOT District 7, Pinellas County, Florida. Engineer-of-record for this intersection improvement project. Existing span wire signals were replaced with new mast arms at three intersections along SR 693. Improvements included deep milling details at each intersection to address extensive pavement deterioration, signing and pavement marking plans, pedestrian improvements to meet ADA standards including curb cut ramps reconstruction, and installation of a pedestrian accessible signal at the intersection of Park Street.

City of Orlando Safe Streets Academy Demonstration Project, Orlando, Florida. Project engineer and designer leading the planning-level striping plans and maintenance of traffic plans for this tactical urbanism demonstration project of Curry Ford Road. These plans needed to be permit-ready within two weeks to meet the tight Safe Streets Academy schedule. The implemented concept eliminated one through lane in each direction, which was repurposed as a buffered bicycle lane.

SR 951 at I-75 Interchange, FDOT District 1, Collier County, Florida. Lead project engineer for this interchange improvement project. Developed signal and signing and pavement marking plans. Improvements by the County at the interchange required simultaneous coordination.

EDUCATION

MCE, Civil Engineering, University of South Florida, 2010

BS, Civil Engineering, University of South Florida, 2006

REGISTRATION

Professional Engineer:
Florida, 73993, 2012

CERTIFICATIONS

Advanced Maintenance of Traffic, 2017

AFFILIATIONS

Florida Engineering Society, Broward Chapter, President, 2016

WTS International, South Florida, TransportationYOU co-chair, 2018

Tau Beta Pi, Associate Member, 2006

DANIEL CHECCHIA

Subsurface Utility Engineering / Utility Coordination
Colliers Engineering & Design



Daniel Checchia is a geographic discipline leader for subsurface utility engineering services (SUE) for Colliers Engineering & Design. He has more than 20 years of experience in transportation engineering, surveying, and construction related fields, with expertise in SUE and utility coordination. His duties include the supervision of the day-to-day operations of survey, SUE, and utility coordination assignments to ensure quality assurance/quality control from field to office is maintained on all projects.

Daniel maintains a strong rapport with local utilities and municipalities and assists clients with utility research, identification, data management, and coordination. His high level of expertise and understanding of the quality levels defined with the American Society of Civil Engineers (ASCE) Guideline 38 *Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data*, enables him to manage a project from predesign through construction, identifying utility impacts, and mitigating conflicts with cost-effective and timely resolutions.

He has substantial experience working for FDOT. As a technical delegate for FDOT District 4's Survey & Mapping Advisory Committee, he helped develop new field procedures and deliverables for statewide projects. He has a comprehensive knowledge of the FDOT utility coordination process, and his philosophy is to maintain an open and productive dialogue throughout the initial SUE investigation, utility coordination, and post-design follow-up.

REPRESENTATIVE PROJECT EXPERIENCE

FDOT District 6, Districtwide Utility Location Services for SR 925, Miami-Dade County, Florida. Tasked with providing designating, locating, and surveying services for this task work order located between NW 3rd Avenue and NW 3rd Court from 1st Street to NW 8th Street. Responsible for providing 61 physical locates, mapping those physical locates, and will perform nine site scans to identify utilities marked for verification, as per the design engineers proposed signal and drainage improvements.

FDOT District 6, Districtwide Utility Location Services, Miami-Dade County, Florida. Provided underground utility location services, including physical locates and surface designations to FDOT District 6 for contract FM #250723-2-32-03/-04. Through designating, locating and mapping services, supported the District's current work program in completing the design and development of construction plans.

FDOT District 6, Districtwide Utility Location Services for SR A1A (Collins Avenue), Miami-Dade County, Florida. Provided utility designation, locating, and surveying services for this proposed mast arm task work order on SR A1A (Collins Avenue) at 79th Street. Performed ten physical locates, mapping those physical locates, and four scans to identify utilities at the requested locations.

FDOT District 6, Districtwide Utility Location Services for Atlantic Avenue, Miami-Dade County, Florida. Responsible for providing designating, locating, and surveying services for this bridge foundation verification task work order located at the Atlantic Isle Lagoon. Tasked with providing eight physical locates to identify the limits/intersection of the existing bridge foundations east and west side along Atlantic Avenue. Also performed a survey of the physical locates.

FDOT District 6, Districtwide Utility Coordination Services for SR 976 (SW 40th Street), Miami-Dade County, Florida. Tasked with providing designating, locating, and surveying services for this resurfacing, restoration, and rehabilitation task order between Bird Road from SW 177th Avenue to SW 102nd Avenue. Services included six scans to identify utilities near proposed mast arms and six test holes to identify potential conflicts for proposed pedestrian signal heads and mast arms.

EDUCATION

AS, Applied Science, Suffolk County
Community College, 2001

AFFILIATIONS

SUE Association, Founding Board of
Director

ASCE/Utility Engineering & Surveying
Institute (UESI), Member

Florida Utility Coordination Committee

Broward EUSI Chapter, Current Chair

TRAINING

FDOT, Maintenance of Traffic Issues
Affecting SUE

Risk Management and Professional
Liability in SUE

Rebuilding America's Infrastructure
SAFE PIPES Act and Related Legislation

JASON SMITH

Subsurface Utility Engineering
Colliers Engineering & Design



Jason Smith has more than 25 years of experience in survey and SUE. His experience includes ten years as a manager, eight years as party chief/field supervisor, and seven years as a technician for SUE and survey. He has experience working with multiple SUE field crews to complete projects safely, on schedule, and within the designated scope of work as directed by project engineers/surveyors. He has overseen the day-to-day operations on multiple districtwide FDOT contracts. He has trained staff and provided input for proposals and field reviews. He can collect and read roadway plans, as-builts, and utility company markups and adhere to safety standards, including proper operation of both electronic and mechanical equipment.

Jason has led SUE crew chiefs on maintaining truck and electronic equipment including supporting crew chiefs with key daily activities such as fluid levels, filters, and pneumatic/hand tools. He maintained and operated a total station and/or GPS unit, including the data collector associated with this survey equipment. He is proficient in all aspects of geophysical electronic locating equipment and ground penetrating radar and can train SUE staff as needed in performing vacuum excavation based on staked location, marked plans, and field investigations.

He has experience with the appropriate geophysical prospecting equipment to accurately designate complex underground utility layouts, extensive experience with multi-frequency pipe and cable locators, ground penetrating radar, sondes, rodders, and other geophysical equipment. He has assisted in the development and implementation of locator/designator training programs. He is familiar with ASCE 38-02 standards and quality levels.

REPRESENTATIVE PROJECT EXPERIENCE

US 27, Okeechobee County, Town of Medley, City of Hialeah, Miami-Dade County, Florida. SUE crew chief/SUE manager/safety advisor in charge of project execution and completion. Provided SUE and mapping services of SUE, which entailed test holes and multiple scan areas to designate utilities. Once the field work was complete, detailed QA/QC work was completed prior to being uploaded into a CAD file and prepared for the client.

Florida's Turnpike Wiles Road to I-595 PD&E Study, Florida's Turnpike, Florida. SUE crew chief/SUE manager/safety advisor in charge of project execution and completion. Provided SUE and mapping services of SUE, which entailed over 300 test holes and multiple scan areas to designate utilities. Once the field work was complete, detailed QA/QC work was completed prior to being uploaded into a CAD file and prepared for the client.

Bal Harbor Shops, City of Aventura, Miami-Dade County, Florida. SUE crew chief/SUE manager/safety advisor in charge of project execution and completion. Provided SUE and mapping services of SUE, which entailed test holes and multiple scan areas to designate utilities. Once the field work was complete, detailed QA/QC work was completed prior to being uploaded into a CAD file and prepared for the client.

West Atlantic Boulevard Improvements, City of Pompano Beach, Broward County, Florida. SUE crew chief/SUE manager/safety advisor in charge of project execution and completion. Provided SUE and mapping services of SUE, which entailed test holes and multiple scan areas to designate utilities. Once the field work was complete, detailed QA/AC work was completed prior to being uploaded into a CAD file and prepared for the client.

South Dixie Highway Beautification, City of Pompano Beach, Broward County, Florida. SUE crew chief/SUE manager/safety advisor in charge of project execution and completion. Provided SUE and mapping services of SUE, which entailed test holes and multiple scan areas to designate utilities. Once the field work was complete, detailed QA/QC work was completed prior to being uploaded into a CAD file and prepared for the client.

CERTIFICATIONS

OSHA 10 Hr Safety Training, FEC Railway Contractor
CSX Roadway Contractor, FDOT TTC Certified

SOFTWARE

GPS (Trimble, and Spectra)

GPR (Sensors and Software, Mala, and GSSI)

Concrete Scanners (Mala and GSSI)

Electromagnetic Locators
(Radiodetection, Vivax, Pipehorn, Metrotech, and Ridgid)

RT GPR Scanners (IDS Stream C and IDS Stream X)

Digital Sketching Software (Field Measure, Google Earth, ArcGIS Collector)

DAPHNE SPANOS, PE

PLANNING
EXP



Daphne Spanos has more than 19 years of experience in transportation engineering and has vast experience in creating the vision of corridors including design elements. Daphne is currently managing an 8.6-mile corridor analysis including lane repurposing components for transit and street parking in areas close to Wynwood and mid-town. In addition, she helped develop the context analysis currently being used by FDOT. Daphne also served as a project manager for modal development in FDOT District 6 and has conducted multiple project development and environment (PD&E) studies to evaluate alternatives as part of the NEPA process.

REPRESENTATIVE PROJECT EXPERIENCE

FDOT District 4 Preliminary Design for SR 5/US 1 from 59th Street to SR 850/ Northlake Boulevard, Palm Beach County, Florida. Deputy project manager for a contract to conduct a feasibility study to ensure the recommendations from the US 1 Multimodal Corridor Study conducted by the Palm Beach Transportation Planning Agency (PBTPA) are feasible within the existing right-of-way and to record public outreach, variations, permitting, utility coordination, tree impacts, and evaluation of existing infrastructure in line with PBTPA's objectives and vision. The corridor study was conducted to develop a comprehensive plan to upgrade the existing Palm Tran limited stop service to a corridor-based bus rapid transit service, the Palm Tran Express, with the goal of applying for Small Starts Funding or phasing improvements with local funding. The purpose of the corridor study was also to implement continuous multimodal facilities (Complete Streets) along SR 5/US 1 throughout a 42-mile stretch running north-south across 14 local municipalities in Palm Beach County, while prioritizing the need for connectivity when dealing with limited space within the right-of-way. This feasibility study is limited to SR 5/US 1 between 59th Street and Northlake Boulevard, a 3-mile stretch. Recommendations from this feasibility study will be used in the subsequent design phase.

FDOT District 6, NW 36th Street Multimodal Corridor Study, Miami-Dade County, Florida. Project manager. SR 948/ NW 36th Street is an east-west corridor in Miami-Dade County. From SR 826/Palmetto Expressway to I-195/SR 112/Julia Tuttle Causeway, SR 948 is 8.626 miles long and traverses the cities of Virginia Gardens, Miami Springs, Hialeah, and Miami. This corridor serves the Miami International Airport, Florida East Coast Railroad's Hialeah Yard, and major recreational and community centers such as the Miami Springs Golf & Country Club, Casino Miami, Tropicana Flea Market, Miami Jackson Senior High School, and The Shops at Midtown Miami. The goal of this scope of services is to document the range and complexity of professional transportation planning and traffic engineering services required for the development and evaluation of multimodal improvements that address existing and future mobility, operational, social, economic, and safety needs along SR 948/NW 36th Street.

FDOT District 6, Kendall Drive Rapid Transit PD&E Study, Miami-Dade County, Florida. Senior engineer for this PD&E study that consisted of analyzing various rapid transit alternatives along Kendall Drive between Krome Avenue and the Dadeland North Metrorail Station. Assisted in overall project management, PD&E report writing and compilation, project invoicing/accounting, coordination with subconsultants, and extensive public involvement activities on this 10.7-mile-long corridor.

EDUCATION

BS, Civil Engineering, University of Miami

BS, Environmental Engineering, University of Miami

REGISTRATION

Professional Engineer:
Florida, 67865, 2008

HEATHER WHITMORE, AICP, PTP, CFM

PLANNING
EXP



Heather Whitmore is a certified ITE Professional Transportation Planner and an AICP Certified Planner with more than 20 years of experience in project management, regulatory planning, development impact agreements, PD&E analysis, and transportation facility planning on both large and small projects. Heather has extensive experience in traffic impact analysis, intersection operational, and segment level of service evaluation for a wide range of traffic engineering projects. She specializes in transportation facility performance evaluation for capacity management, traffic operational and safety, and development impact analysis. Heather is an expert in the north Florida regional traffic demand macrosimulation model (FSUTMS) and microsimulation traffic capacity analysis modeling (Synchro, Vissum, HCS).

REPRESENTATIVE PROJECT EXPERIENCE

Public Facility Dedication and Regulatory Planning Services, City of Doral, Florida. Provided professional land planning services to the City of Doral for public facility and rights-of-way dedication and interlocal service agreement development. Planning services include land and public facility due diligence, local and state legislative review (Florida Statute 171 and 163), issue summary, and regulatory project management approach.

Monument Road Corridor North Florida Transportation Planning Organization Study, Jacksonville, Florida. Served as senior transportation planner. The evaluation considered alternative improvements to the roads and intersections within the study area and provided specific recommendations for improving safety, congestion, and connectivity within the Monument Road corridor. This study applied a PD&E priority identification methodology to define and calibrate traffic performance indicators to diagnose network deficiencies and recommend planned improvements. Network improvements addressed public input, pedestrian/cyclist facility performance, vehicle queues, delays, congestion, and cut through traffic.

Clay County/Lake Asbury Master Plan Area Transportation Facility Study and Bonding Program, Clay County, Florida. Served as project manager, technical, and conceptual lead. Led the \$300,000 Clay County/Lake Asbury Master Plan Area Transportation Facility Study. The region-level study was performed to support the Clay County's Transportation Improvement Plan public facility capacity management and bonding program. The study assessed the regional transportation capacity enhancement value of planned public and private facility improvements to determine the public benefit value of each improvement.

Ridgewood/Foxridge Blanding Boulevard North Florida Transportation Planning Organization Study, Clay County, Florida. Served as project manager, technical, and conceptual lead. This study applied a PD&E priority identification methodology to define and calibrate traffic performance indicators to diagnose network deficiencies and recommend planned improvements. Network improvements addressed public input, pedestrian/cyclist facility performance, vehicle queues, delays, congestion, and cut through traffic. The final report provided a preliminary design and construction plan to improve traffic circulation and connectivity, regional traffic mobility, and safety.

EDUCATION

Master of City and Regional Planning,
Georgia Institute of Technology, 2003

BA, Urban Sociology, New College of
Florida, 2001

CERTIFICATIONS

American Institute of Certified Planners,
#21577, 2007

Professional Transportation Planner,
Transportation Professional
Certification Board, #744, 2020

Certified Floodplain Manager,
Association of State Floodplain
Managers, 2013

SOFTWARE

SAS

SPSS

ArcGISPro

MicroStation

PTV Visum/PTV Vissim

Synchro Studio Suite

CUBE /FSUTMS Travel Demand Model

QRS Traffic Modeling

TransCAD

KEVIN CAREY, PE, PTOE

ITS / Quality Assurance/Quality Control
Faller Davis & Associates



Kevin Carey has expertise in the design of traffic signals (Smart Signals), ITS (wrong-way device installation), lighting (color changing decorative architectural lighting), and signing and pavement marking plans. His experience includes authoring numerous traffic operations and safety studies and completing multiple traffic signal retiming efforts. Kevin is proficient in the use of Visual and AGi32 software for lighting design, and Tru-Traffic and Synchro for signal retiming projects. He has experience with MaxView, ATMS.now, and TACTICS Advanced Traffic Management System platforms. He has worked with the following traffic signal controllers: Intelight, Trafficware, Eagle/Siemens, Econolite, and Peek.

REPRESENTATIVE PROJECT EXPERIENCE

SR 19 from CR 48 to CR 561, Lake County, FDOT District 5, Florida. Engineer-of-record responsible for designing the roundabout lighting at the intersection of SR 19 and CR 48 and the lighting of the Little Lake Harris Bridge. Analysis includes three different lighting fixtures mounted to conventional light poles, illuminated lighting levels at the roundabout, and vertical crosswalk illumination across several approaches at the roundabout. The two-lane bridge lighting includes pedestal mounted luminaires on one side of the bridge.

US 192 from Lake County Line to Secret Lake Drive Design-Build, Orange County, FDOT District 5, Florida. Engineer-of-record who prepared signalization plans that included the connection of four new signals and a CCTV camera to the existing fiber-optic network. Splice diagrams and interconnect plan sheets were provided to complete this work. Post-design work involved working directly with the construction engineering inspector and contractor to review shop drawings and as-builts. Attended field meetings to inspect the installation or answer requests for information.

Districtwide Community Traffic Safety Program, FDOT District 5, Florida. Traffic engineer-of-record. Under this contract, FDA has performed several safety studies that involved detailed crash analysis and benefit-to-cost ratio analysis. After completion of several of the studies, subsequent design and public involvement services were also provided.

US 441/Orange Blossom Trail from Holden Avenue to 39th Street Mid-Block Pedestrian Crossings, Orange County, Florida. Traffic engineer-of-record. The project involves installing pedestrian hybrid beacon traffic signals at three existing mid-block crossing locations along US 441. The signal structures will be mast arms with pedestrian poles on the sidewalk and in the median. The right-of-way is at the back of sidewalk and there are numerous utilities, including a 60-inch storm drain and a 12-inch water main. To avoid major utilities FDA and FDOT worked together to design a single mast arm structure in the median spanning both sides of the road, requiring a design variation. The signals will be coordinated with other signals along US 441 and will operate independently. The project required coordination with the Orange Blossom Trail Development Board. Project elements include roadway, structures, maintenance of traffic, signing and pavement marking, signalization, lighting, surveying, public involvement, utility coordination, and geotechnical services.

Orange County Intersection Lighting Retrofits, Orange County, Florida. Lighting engineer-of-record for 31 intersections. The project involved a lighting analysis report to provide intersection lighting retrofit designs for 82 signalized intersections along SR 500/600/Orange Blossom Trail, SR 436/Semoran Boulevard, SR 438/Silver Star Road, SR 535/Kissimmee Vineland Road, SR 438/Princeton Street, and SR 552/Curry Ford Road. Project elements included retrofitting existing high pressure sodium luminaires with LED fixtures on luminaire poles and power poles. New Central Florida Expressway, Duke Energy, Orlando Utilities Commission, and Orange Blossom Trail Development Board maintained LED luminaires on existing and proposed poles was also included.

EDUCATION

BSCE, Marquette University, 2000

REGISTRATION

Professional Engineer:
Florida, 61635, 2004

CERTIFICATIONS

Professional Traffic Operations Engineer

IMSA Level II Traffic Signal Technician

FDOT Specification Package Preparation

Intermediate Maintenance of Traffic

AFFILIATIONS

Institute of Transportation Engineers

International Municipal Signal
Association

ITS Florida

ALLISON HAGERTY, PE

Roadway Design
Faller Davis & Associates



Allison Hagerty has experience in roadway and traffic engineering including milling and resurfacing, reconstruction, access management, roundabout design, intersection improvements, lighting, and signing and pavement marking. She has worked with the FDOT Districts 1, 2, 3, 4, 5, and 7, Florida's Turnpike Enterprise, Central Florida Expressway Authority, and numerous local municipalities. Her design experience includes the development of horizontal and vertical alignments, pavement design, roundabout design, ADA improvements, cost estimating, lighting, and signing and pavement marking with specialized certification in specifications development and temporary traffic control plans. Additional responsibilities include project management, procurement, project scoping, and quality control/assurance.

REPRESENTATIVE PROJECT EXPERIENCE

US 441/Orange Blossom Trail from Holden Avenue to 39th Street Mid-Block Pedestrian Crossings, Orange County, Florida. Roadway engineer-of-record. The project involves installing pedestrian hybrid beacon traffic signals at three existing mid-block crossing locations along US 441. The signal structures will be mast arms with pedestrian poles on the sidewalk and in the median. The right-of-way is at the back of sidewalk, and there are numerous utilities including a 60-inch storm drain and a 12-inch water main. To avoid major utilities, FDA and FDOT worked together to design a single mast arm structure in the median spanning both sides of the road, requiring a design variation. The signals will be coordinated with other signals along US 441 and will operate independently. The project required coordination with the Orange Blossom Trail Development Board. Project elements include roadway, structures, maintenance of traffic, signing and pavement marking, signalization, lighting, surveying, public involvement, utility coordination, and geotechnical services.

SR 15/600 (US 17/92) from North of Lake Mary Boulevard to North of Airport Boulevard, Seminole County, FDOT District 5, Florida. Project manager responsible for development of horizontal and vertical design, temporary traffic control plan, and plans production. The project involved the widening of US 17/92 from four lanes to six lanes for 1.209 miles. The rural roadway was changed to an urban curb and gutter facility with buffered bicycle lanes. The drainage design incorporated both open ditches and a storm drain system in a context-sensitive solution minimizing impacts to utilities, lighting, sidewalk and right-of-way. This project also included upgrades to the existing signalized intersections, the replacement of one traffic signal with pedestrian features on all four quadrants, and a pedestrian hybrid beacon. The Department's automated traffic signal performance measure initiative was implemented at all three signalized intersections. Each intersection was upgraded with an advanced transportation controller, intersection movement camera, and additional vehicle detection devices. These devices are tied to the regional traffic management center where traffic performance metrics can be analyzed, and timing patterns modified in real time. Project elements included roadway, drainage, traffic control, structures, signing and pavement marking, lighting, signalization, ITS, environmental, permitting, surveying and mapping, utility coordination, SUE, mobile LiDAR, geotechnical testing, contamination, and public involvement.

SR 9/I-95 from North of Palm Coast Parkway to the Flagler/St. Johns County Line, Flagler County, FDOT District 5, Florida. Project manager and roadway engineer-of-record. The project involves resurfacing I-95 for 7.18 miles. This section of I-95 is designated as a Strategic Intermodal System corridor. The milling and resurfacing includes all travel lanes, paved shoulders, ramps, and emergency u-turns. Ramp limits are to the edge of travel of the intersecting road. As subconsultant, FDA is providing roadway, signing and pavement marking, and signalization design. Project elements include roadway, cross slope correction, guardrail, pier protection, drainage, utility coordination, environmental permitting, structures, traffic operations and design, survey, and post-design services.

EDUCATION

BSCE, University of Central Florida, 2012

REGISTRATION

Professional Engineer:
Florida, 80503, 2015

CERTIFICATIONS/TRAINING

Advanced Maintenance of Traffic

AGi32 Lighting Software, Roadway
Emphasis Course

Highway Lighting Design Course

Geopak Road I Course

FDOT TRNS*PORT Training

FDOT Specification Package Preparation

FDOT Roundabouts Design Training

AFFILIATION

American Society of Civil Engineers

RICH JARDIM, PE, PTOE, RSP1

Signal Design
Faller Davis & Associates



Rich Jardim's traffic engineering expertise includes traffic studies, safety studies, traffic signal design, signing and pavement marking design, signal retiming, and ITS design. He has performed hundreds of operational and safety studies including signal warrant analysis, intersection analysis, qualitative assessments, intersection control evaluation (ICE) analysis, lighting justification reports, access management studies, left-turn phase warrants, passing lane analysis, lane departure safety studies, roundabout analyses, pedestrian studies, and project traffic analysis reports. He also has experience in ITS operations and knowledge of ITS systems and components. His transportation design experience includes roadway design, construction cost estimating, traffic control and construction sequencing, and preparation of final construction documents. His computer skills include Synchro, SimTraffic, Highway Capacity Software, SIDRA, AGi32, Tru-Traffic, GuidSIGN, Signal Four Analytics, and GTT Onsite. He has experience with the following advanced traffic management system platforms: MaxView, CENTRACS, ATMS.now, Aries, and TACTICS. He has worked with the following traffic signal controllers: Intelight, Trafficware, Eagle/Siemens, Econolite, Peek, LMD, and McCain.

REPRESENTATIVE PROJECT EXPERIENCE

Continuing Services Contract for Traffic Operations (CA648), FDOT District 5, Florida

- SR 19 at Hickory Point Park/Flagship Avenue Signal Warrant Study, Lake County; and SR 50 at Villa City Road/Mount Pleasant Road Qualitative Assessment, Collision Analysis, and Time-of-Day Flashing Yellow Arrow Analysis, Lake County
- SR 44 at Lakes of Mount Dora Boulevard Signal Warrant Study, Lake County
- US 27 at Legendary Boulevard Signal Warrant Analysis, Lake County
- SR A1A at SE 1st Street Mid-Block Crossing Pushbutton, Brevard County
- US 441 from SE 162nd Place to Dollar General Median Opening Qualitative Assessment, Marion County; US 441/Orange Blossom Trail at 39th Street ICE Analysis, Orange County
- US 441 at Wetherbee Road Signal Design, Orange County
- US 192/Bronson Highway at US 441/Holopaw Road/Turn Around Bay Road Intersection Analysis, Osceola County
- US 41 at CR 328 Intersection Analysis, Marion County
- SR 40 at Shadow Crossings Boulevard and Curve West of Shadow Crossings Boulevard Qualitative Assessment and Safe Curve Speed Study, Volusia County
- US 192 at McClain Drive/Melbourne Square Driveway Weekday and Weekend 24-Hour Intersection Traffic Counts, Brevard County
- SR 50 at Hyde Park Circle Intersection Analysis, Orange County
- US 92 from west of Red John Drive to west of I-4 Ramps Speed Zone Study, Volusia County
- US 1 at City Point Road Signal Warrant Study, Brevard County
- SR 524 at I-95 Northbound Ramps Intersection Analysis, Brevard County
- I-4 Westbound Ramps at Orange Camp Road Signal Warrant Study, Volusia County

EDUCATION

BSCE, University of Central Florida, 1998

REGISTRATION

Professional Engineer:
Florida, 60127, 2003

CERTIFICATIONS/TRAINING

Professional Traffic Operations Engineer

Road Safety Professional

FHWA Advanced Highway Safety Manual
Training

IMSA Level II Traffic Signal Technician

Intermediate Maintenance of Traffic

AFFILIATIONS

Institute of Transportation Engineers

International Municipal Signal
Association

ITS Florida

NICK SPATOLA, PE, PTOE

Signal Design / Traffic Studies
Faller Davis & Associates



Nick Spatola is experienced in ITS, signal design, signing and pavement marking design, lighting design, signal retiming, traffic modeling, and traffic operational/safety studies. He has extensive ITS and signal system design and deployment experience and has developed ITS and signalization plans throughout the state. His traffic operational and safety studies experience includes signal warrant analysis, intersection analysis, qualitative assessments, lighting justification reports, lighting analysis reports, access management studies, left-turn phase warrants, and pedestrian studies.

His computer skills include ArcGIS, HCS, SIDRA, Synchro, SimTraffic, Tru-Traffic, GTT On-site, and AGI32. He has experience with the following advanced traffic management system platforms: ATMS.now, CENTRACS, MaxView, CLMATS, and TACTICS. He has worked with Intelight, McCain, Trafficware, Eagle/Siemens, Econolite, McCain, and Peek traffic signal controllers.

REPRESENTATIVE PROJECT EXPERIENCE

SIGNALIZATION

- SR 44 Widening, Lake County, FDOT District 5
- Continuing Services Contract for Roadway Design 002, District Wide (C9U03), FDOT District 5
- SR 400/I-4 Eastbound Resurfacing from SR 46 to the St. Johns River Bridge Signalization, Seminole County
- SR 500 from W Jones Avenue to Wadsworth Road, Orange County, FDOT District 5
- SR 500 from 34th Street to SR 50, Orange County, FDOT District 5
- SR 524 at Industry Road, Brevard County, FDOT District 5
- US 92 at SR 5A, Volusia County, FDOT District 5
- SR 15 Resurfacing, Volusia County, FDOT District 5
- SR 5 at SR 207, St. Johns County, FDOT District 2
- SR 24 at I-75, Alachua County, FDOT District 2

SR A1A at Shangri La Drive Signalization, Duval County, Florida. Engineer-of-record for the design plans to install wireless communications at three signalized intersections to provide connection with the City of Jacksonville's existing advanced traffic management system network.

SR 15/600 (US 17/92) from North of Lake Mary Boulevard to North of Airport Boulevard, Seminole County, FDOT District 5, Florida. Responsible for signing and pavement marking. The project involved the widening of US 17/92 from four lanes to six lanes for 1.209 miles. The rural roadway was changed to an urban curb and gutter facility with buffered bicycle lanes. The drainage design incorporated both open ditches and a storm drain system in a context-sensitive solution minimizing impacts to utilities, lighting, sidewalk, and right-of-way. This project also included upgrades to the existing signalized intersections, replacement of one traffic signal with pedestrian features on all four quadrants, and a pedestrian hybrid beacon. The Department's automated traffic signal performance measure initiative was implemented at all three signalized intersections. Each intersection was upgraded with an advanced transportation controller, intersection movement camera, and additional vehicle detection devices. These devices are tied to the regional traffic management center where traffic performance metrics can be analyzed, and timing patterns modified in real time. Project elements included roadway, drainage, traffic control, structures, signing and pavement marking, lighting, signalization, ITS, environmental, permitting, surveying and mapping, utility coordination, SUE, mobile LiDAR, geotechnical testing, contamination, and public involvement.

EDUCATION

BSCE, University of Central Florida, 2008

REGISTRATION

Professional Engineer:
Florida, 76103, 2013

CERTIFICATIONS/TRAINING

Professional Traffic Operations Engineer
IMSA Level II Traffic Signal Technician

AFFILIATIONS

Institute of Transportation Engineers
International Municipal Signal
Association
ITS Florida

CRAIG BALLOCK, PE

Geotechnical Engineering
GEC



Craig Ballock has 17 years of experience in geotechnical engineering in the Central Florida area. Craig has performed geotechnical engineering services for numerous infrastructure-related public works projects for Lake, Orange, Seminole, and Osceola Counties. He has also worked on major transportation infrastructure projects for FDOT, Florida's Turnpike Enterprise, and CFX.

REPRESENTATIVE PROJECT EXPERIENCE

SR 500 Widening from Martin Luther King Boulevard to Lake Ella Road, Lake County, Florida. Geotechnical engineer for geotechnical investigation of approximately 3.4 miles of roadway widening, including three proposed retaining walls, mast arm signal poles, and four pond locations.

CR 455 Curve Realignment, Lake County, Florida. Geotechnical engineer for geotechnical investigation of approximately 0.25 miles of roadway realignment, including drainage modifications and the addition of paved shoulders.

SR 46 Widening from US 441 to Vista View Lane, Lake County, Florida. Senior geotechnical engineer for 1.3-mile-long widening of SR 46 from two to four lanes and 1-mile-long widening of US 441 from four to six lanes along with interchange redesign. The design project included a new 470-foot-long fly-over ramp bridge, stormwater ponds, retaining walls, and sinkhole risk evaluation.

CR 448 Improvements from CR 561 to East of the Apopka-Beauclair Canal Bridge, Lake County, Florida. Geotechnical engineer for geotechnical investigation of approximately 3.5 miles of roadway widening, including drainage modifications and the addition of sidewalks.

Woodlea Road from Lane Park Road to SR 19, Lake County, Florida. Geotechnical engineer for geotechnical investigation of approximately 1.6 miles of roadway redesign from a rural to an urban section, including a sidewalk on the north side of the road.

CR 46A Realignment (Wekiva Section 5), Lake County, Florida. Senior geotechnical engineer for the design and construction of the 2.5-mile realignment that included four stormwater ponds, evaluation of sinkhole risk, surcharge of a deep muck pocket, and strain pole design. GEC utilized ground penetrating radar to evaluate surficial soils for the presence of sinkhole indicators along the roadway realignment.

SR 40 Widening from CR 314 to CR 314A, Marion County, Florida. Project manager for the design and construction of the proposed improvements, which included widening from two to four lanes, 10,600 linear feet of high fill embankment, 10 stormwater ponds, a swale system for stormwater management, 13 natural buffer sites, 70 linear feet of gravity wall, and 5 wildlife bridge crossings with mechanically stabilized earth walls.

EDUCATION

MS, Civil Engineering, University of Central Florida, 2007

BS, Civil Engineering, University of Central Florida, 2004

REGISTRATION

Professional Engineer:
Florida, 71571, 2010

AFFILIATIONS

American Society of Civil Engineering
Member (ASCE)

Florida East Central Florida Branch ASCE
Past President

Florida East Central Florida Branch ASCE
Geo-Institute Chapter Former Chair

CHRIS MEYER, PE

Geotechnical Engineering
GEC



Chris Meyer has 30 years of experience in geotechnical engineering in the Central Florida area. Chris has performed extensive geotechnical engineering services for infrastructure-related public works projects for FDOT, City of Orlando, LYNX, and many cities and counties. Chris has also managed numerous geotechnical investigations for private commercial developments, stormwater drainage projects, and distressed structures due to potential sinkhole activity.

REPRESENTATIVE PROJECT EXPERIENCE

FDOT District 5 Traffic Operations, Daytona Beach, Volusia County, Florida.

Project manager for the geotechnical investigation to determine soil and groundwater conditions and to provide foundation recommendations for mast arm signal poles at five separate intersections along SR A1A.

SR 5 (US 1) Mast Arm Signal Poles from SR 600 to Woodland Avenue, Ormond Beach, Volusia County, Florida. Geotechnical engineer for the design and construction of eight mast arm signal poles.

SR 600 (International Speedway Boulevard/US 92) Pedestrian Signal Improvements, Volusia County, Florida. Senior geotechnical engineer for the design and construction of the new pedestrian signal poles on SR 600 at the two intersections of Hilton Avenue and Highland Avenue in Daytona Beach.

SR 15A (Taylor Road) Access Management from West of SR 15 (US 17/92) to West of South Adelle Avenue, Volusia County, Florida. Senior geotechnical engineer for the design and construction of the roadway improvements that included roadway widening with new bicycle lanes as well as drainage inlet, median, and left turn modifications as part of the milling and resurfacing project.

I-95 Interchange at Ellis Road/St. Johns Heritage Parkway, Brevard County, Florida. Senior geotechnical engineer for the design of a new four-lane roadway from the existing John Rhodes Boulevard intersection and proceeding west bridging over I-95 and tying in to the west and south at the planned St. Johns Heritage Parkway. This project included 2 two-span bridges over I-95 and Florida Gas Transmission mains, four high fill ramps at the new interchange as well as new roadway embankments and stormwater ponds east and west of I-95.

FDOT 5 SR A1A From North of SR 500 to South of SR 404, Brevard County, Florida. Senior geotechnical engineer for the geotechnical investigation of an 8.5-mile-long pavement rehabilitation project. The project scope included a total of 17 mast arm signal poles at seven intersections.

Osceola County Advanced Traffic Management System Phase II, Osceola County, Florida. Geotechnical engineer for exploration of soil and groundwater conditions and provided geotechnical engineering recommendations for the design and construction of foundations at two dynamic messaging sign locations on US 192 east and west of Interstate 4.

EDUCATION

MS, Civil Engineering, University of Florida, 1994

BS, Civil Engineering, University of Florida, 1991

REGISTRATION

Professional Engineer:
Florida, 49328, 1995

AFFILIATIONS

American Society of Civil Engineering (ASCE)

ASCE Education Committee

ASCE Geo-Institute

Florida Engineering Society

Florida Institute of Consulting Engineers

Transportation Committee & DBE Subcommittee

American Society of Highway Engineers

KEVIN DEAL

Data Collection
NDS



Kevin Deal has amassed a great deal of experience in every aspect of the data collection industry. His expertise includes field operations, administrative operations, program development, research and development, and companywide quality control. He has successfully managed more than 35,000 projects from inception to completion. These projects have included customized study development as well as customized deliverables. Kevin oversees the annual collection of approximately 20,000 turning movement counts; 25,000 automatic traffic recorder counts; and thousands of specialized studies.

EDUCATION

BS, Production and Engineering

REPRESENTATIVE PROJECT EXPERIENCE

New York City Department of Transportation (NYCDOT), New York, New York. NDS is the on-call traffic data collection company for NYCDOT. Annual data collection consists of the following:

- 635 seven-day volume machine counts
- 936 nine-day volume machine counts
- 204 fourteen-day volume machine counts
- 1,123 one-day, two-day, or three-day turning movement counts requiring various hours of collection as well as subclassification of vehicles and pedestrians
- 624 one-day, two-day, or three-day pedestrian counts
- 361 one-day, two-day, or three-day bicycle counts of requiring various hours of collection as well as subclassification of cyclists

Los Angeles Department of Transportation (LADOT), Los Angeles, California. NDS is the on-call traffic data collection company for LADOT. Annual data collection consists of the following:

- 700 average daily traffic counts
- 300 turning movement counts

CATS Silver Line Project, Charlotte, North Carolina. WSP subcontracted NDS to collect the following:

- 104 six-hour turning movement counts with pedestrians, bicycles, and heavy trucks classifications including duals and trucks and tractor-trailers

Durham-Chapel Hill-Carrboro Metropolitan Planning Organization, Durham, North Carolina

- 103 turning movement counts with classification (cars, heavy trucks, pedestrians, and bicycles)
- 310 two-day automated traffic recorder counts
- 17 twenty-four-hour mainline freeway segment counts

Orange County Transportation Authority (2005, 2007, 2009, 2011, 2013, 2015), Orange County, California. This contract included:

- 200 three-day turning movement counts
- 12,000 miles of travel time runs

JOHN GREIST

Data Collection
NDS



John Greist's expertise includes field operations, project coordination, project estimation, client management/communication and scheduling/employee management. He has successfully managed large turning movement count projects, machine tube counts, and has assisted in the successful coordination and collection of specialized studies throughout Florida. He has also piloted several new types data collections

EDUCATION

BS, Business Administration/
Management, Florida International
University

REPRESENTATIVE PROJECT EXPERIENCE

Space Coast Transportation Planning Organization Traffic Count Program 2021, Brevard County, Florida. Project includes 500 volume machine counts (additional speed and class average daily traffic counts with varying durations along with some turning movement counts, and pedestrian counts)

Polk County Transportation Planning Organization 2019 Traffic Count Program, Polk County, Florida. Project includes 263 speed and volume machine counts (varying durations)

Miami Freedom Park Traffic Project 2018. Project includes 57 turning movements counts with pedestrians, bicycles, and heavy trucks. Also includes 43 speed and volume machine counts (varying durations).

Tampa Downtown Partnership 2018. Project included 13 field technicians performing parking occupancy for 25,000 public parking spots, public parking garages, and on-street throughout downtown Tampa for three days.

FDOT District 4 Contract C9Y93 2021. Project involved 30 turning movements counts with pedestrians, bicycles, and heavy trucks. Also involved eight volume machine counts (varying durations).

ATTACHMENT 4 – LOCATION AND PERCENTAGE OF WORK TO BE COMPLETED FORM

ATTACHMENT 4

LOCATION PERCENTAGE OF
WORK TO BE COMPLETED

20-0940

Address of Prime Consultant's designated office where the majority of work will be performed	
Street	1025 Greenwood Boulevard, Suite 371
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)	60.00%
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Address of Prime Consultant's other offices where work will be performed (if applicable)	
Street	4700 Falls of Neuse Road, Suite 300
Street 2	
City	Raleigh
State	NC

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.	0.00%
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