



City of Port St. Lucie
Procurement Management Division
121 SW Port St. Lucie Blvd., Port St. Lucie, FL 34984

[PROPEL ENGINEERING, LLC] RESPONSE DOCUMENT REPORT

RFQu No. 20250144

[Independent Peer Review of Design Plans](#)

RESPONSE DEADLINE: July 23, 2025 at 2:00 pm

Report Generated: Tuesday, December 30, 2025

Propel Engineering, LLC Response

CONTACT INFORMATION

Company:

Propel Engineering, LLC

Email:

marketing@propel-engineering.com

Contact:

Maggie Rodriguez

Address:

2711 Vista Parkway, Suite B-7
West Palm Beach, FL 33411

Phone:

N/A

Website:

N/A

Submission Date:

Jul 23, 2025 1:24 PM (Eastern Time)

ADDENDA CONFIRMATION

No addenda issued

QUESTIONNAIRE

1. Mandatory Forms

PROPOSAL UPLOAD*

Pass

Port_St_Lucie_RFQu_20250144_Independent_Peer_Review_of_Design_Plans_072325.pdf

PROOF THAT CONSULTANT QUALIFIES AS A DESIGN CRITERIA PROFESSIONAL UNDER SECTION 287.055, FLORIDA STATUTES*

Pass

1.2_Propel_Engineering,_LLC_CA_31050.pdf

CONSULTANT'S GENERAL INFORMATION WORKSHEET*

Pass

It is understood and agreed that the following information is to be used by the City to determine the qualifications of prospective Consultant to perform the work required. The Consultant waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Engineer, Surety, bank, material or equipment manufacturer, or distributor, or any person, firm or corporation to furnish the City any pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Please download the below documents, complete, and upload.

- [PSL- Consultant's General I...](#)

1.3_PSL-Consultant's_General_Information_Worksheet_2025_0721.pdf

E-VERIFY FORM *

Pass

Please download the below documents, complete, and upload.

- [E-Verify Form.pdf](#)

1.4_E-Verify_Form_PROPEL.pdf

NON-COLLUSION AFFIDAVIT*

Pass

Please download the below documents, complete, and upload.

- [Non-Collusion Affidavit-fil...](#)

1.5_Non-Collusion_Affidavit-PROPEL.pdf

DEBARMENT FORM*

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Please download the below documents, complete, and upload.

- [Debarment form-fillable.pdf](#)

1.6_Debarment_form-PROPEL_AND_SUBS.pdf

LOBBYING FORM*

Pass

Please download the below documents, complete, and upload.

- [Lobbying form-fillable.pdf](#)

1.7_Lobbying_form-PROPEL_AND_SUBS.pdf

COPY OF W-9*

Pass

W-9_Propel_Engineering_LLC.pdf

COPY OF CERTIFICATE OF INSURANCE*

Pass

1.9_COI_Propel_Engineering,_LLC_24-25.pdf

2. Electronic Confirmation

CONE OF SILENCE AND COMMUNICATION DOCUMENT*

Pass

To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The “Cone of Silence” is in effect for this solicitation from the date the solicitation is advertised on the OpenGov Portal, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the City Code of Ordinances, Section 35.13. Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through the Issuing Officer, for the procurement of these services.

Confirmed

CONSULTANT'S CODE OF ETHICS*

Pass

The City of Port St Lucie (“City”), through its Procurement Management Division (“Procurement Management Division”) is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the

complete confidence of the public. To achieve these purposes, Procurement Management Division requires each vendor who seeks to do business with the City to subscribe to this Consultant's Code of Ethics.

A Consultant's bid or proposal will be competitive, consistent and appropriate to the bid documents.

◆ A Consultant will not discuss or consult with other Consultants intending to bid on the same Contract or similar City Contract for the purpose of limiting competition. A Consultant will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.

◆ Consultant will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Consultants prior to the bid or proposal closing date.

◆ Consultant will completely perform any Contract awarded to it at the contracted price pursuant to the terms set forth in the Contract.

Consultant will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the Contract.

◆ Consultant will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.

◆ Consultant will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.

◆ Consultant will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Consultant contracted by the City.

◆ Consultant must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Consultant must require their suppliers (including temporary labor agencies) to do the same. Consultant must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to, the following:

- o Obtaining and maintaining all required environmental permits. Further, Consultant will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- o Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
- o Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to Consultants. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable Consultant Contract. In the case of any discrepancies between it and the law, regulation(s) and/or consultant contract, the law, regulatory provision(s) and/or consultant contract shall prevail.

Confirmed

DRUG FREE WORKPLACE*
Pass

The undersigned Consultant in accordance with section 287.087, Florida Statutes, hereby certifies that they comply fully with the below requirements.

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Confirmed

AFFIDAVIT OF NONGOVERNMENT ENTITY ANTI-HUMAN TRAFFICKING LAWS*

Pass

In accordance with section 787.06(13), Florida Statutes, the representative of the nongovernmental entity bidder ("Entity"), attests under penalty of perjury that the Entity does not use coercion for labor or services as defined in section 787.06.

Confirmed

VENDOR SCRUTINIZED COMPANIES LIST CERTIFICATION*

Pass

Sections [287.135](#) and [215.473](#), Florida Statutes, prohibit Florida municipalities from contracting with companies, for goods or services over \$1,000,000 that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or to engage in any Business operations with Cuba or Syria. Sections 287.135 and 215.4725 also prohibit Florida municipalities from contracting with companies, for goods or services in any amount that are on the list of Scrutinized Companies that Boycott Israel.

The list of "Scrutinized Companies" is created pursuant to Section 215.473, Florida Statutes. A copy of the current list of "Scrutinized Companies" can be found at the following link:

https://www.sbafla.com/media/mqodaonn/2024_12_17_-israel-scrutinized-companies-list-for-web.pdf

As the person authorized to sign on behalf of the Respondent Vendor, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies with Activities in Sudan List; or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; is not participating in a boycott of Israel; and does not have any business operations with Cuba or Syria. I understand that pursuant to Sections 287.135 and 215.473, Florida Statutes, the submission of a false certification may subject the Respondent Vendor to civil penalties, attorney's fees, and/or costs.

I understand and agree that the City may immediately terminate any contract resulting from this solicitation upon written notice if the company referenced above are found to have submitted a false certification or any of the following occur with respect to the company or a related entity: (i) for any contract for goods or services in any amount of monies, it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or (ii) for any contract for goods or services of one million dollars (\$1,000,000) or more, it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or it is found to have been engaged in business operations in Cuba or Syria.

Confirmed

I CERTIFY THAT I HAVE READ, UNDERSTOOD, AND AGREED TO THE TERMS OUTLINED IN THIS SOLICITATION, INCLUDING ALL ADDENDA, NOTICES, AND THE QUESTION & ANSWER SECTION. FURTHERMORE, I CONFIRM THAT I AM AUTHORIZED TO SUBMIT THIS RESPONSE ON BEHALF OF MY COMPANY.*

Pass

Confirmed

City of Port St. Lucie

INDEPENDENT PEER REVIEW OF DESIGN PLANS

RFQu #20250144

July 23, 2025

Prepared By:

PRGPEL
ENGINEERING
A **TMC** Company



Contact:

Maj Alam, PE, PMP

Propel Engineering, LLC

2711 N Vista Parkway, Suite B-7

West Palm Beach, Florida 33411

(561) 866-5730

maj@propel-engineering.com

INDEPENDENT PEER REVIEW OF DESIGN PLANS

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INDEPENDENT PEER REVIEW OF DESIGN PLANS


TAB 1 - FIRM QUALIFICATIONS



A. LICENSES & CERTIFICATIONS

Propel Engineering, LLC (PROPEL) possesses all required business and professional licensure, and FDOT qualifications to do business with the City of Port St. Lucie and fulfill the needs of this contract.

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Department of Business
& Professional Regulation

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LICENSEE DETAILS

1:41:24 PM 7/11/2025

Licenses Information

Name:	PROPEL ENGINEERING, LLC (Primary Name)
Main Address:	2711 N VISTA PARKWAY WEST PALM BEACH Florida 33411
County:	PALM BEACH

Licenses Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	31050
Status:	Current
Licensure Date:	03/11/2015
Expires:	

Special Qualifications	Qualification Effective

Alternate Names

[View Related License Information](#)
[View License Complaint](#)

2601 Blair Stone Road, Tallahassee FL 32399 :: Email: [Customer Contact Center](#) :: Customer Contact Center: 850.487.1395

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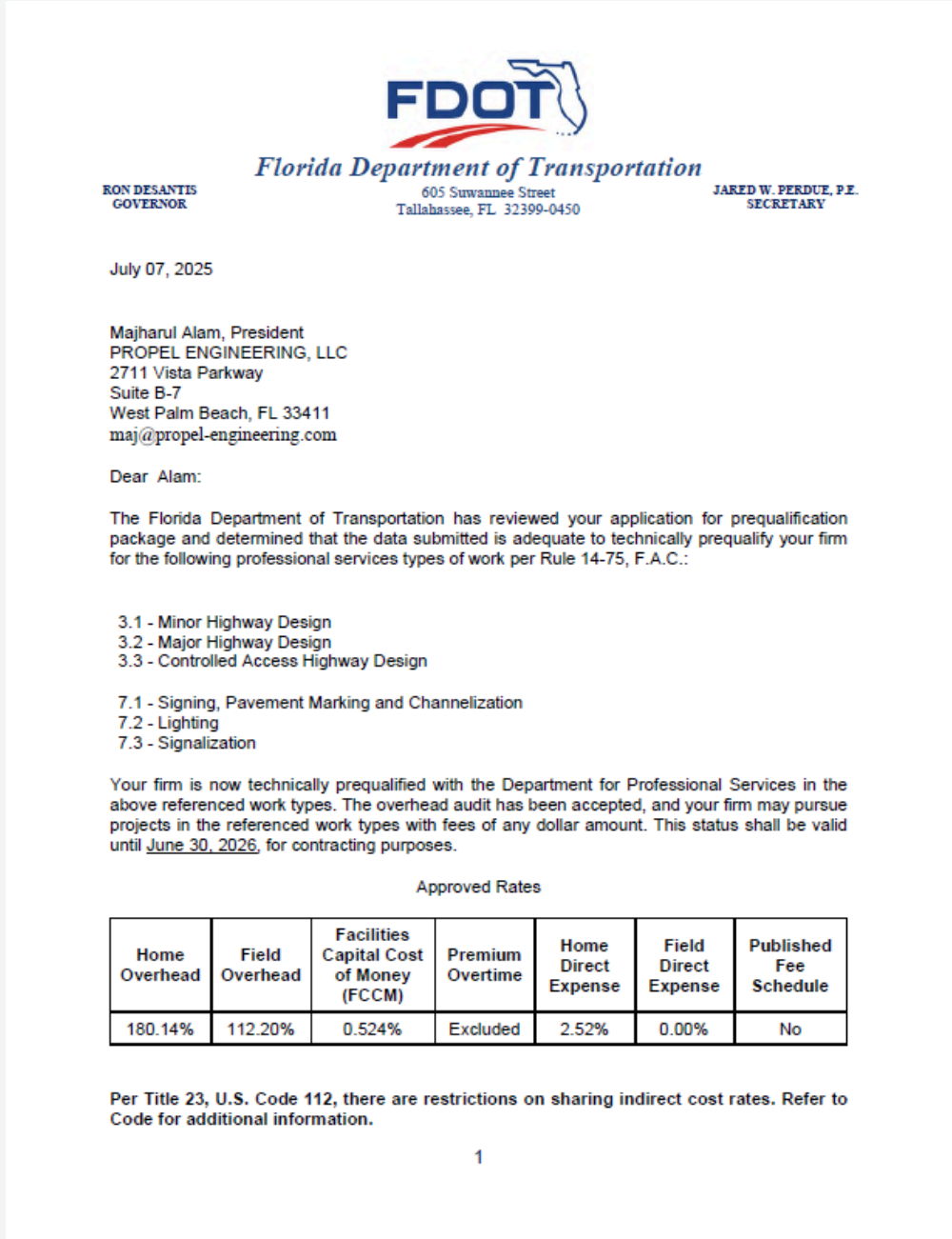
Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S., must provide the Department with an email address if they have one. The email provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our [Chapter 455](#) page to determine if you are affected by this change.

Certificate of Authorization 03/11/2015 – Present

PROPEL
ENGINEERING
ATMC Company

Page 3

A. LICENSES & CERTIFICATIONS (CONT'D)



FDOT Prequalification Letter


A. LICENSES & CERTIFICATIONS (CONT'D)

ACORD®		CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY)		
				5/23/2025		
<p>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.</p> <p>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).</p>						
PRODUCER M&A and Transaction Services 811 Madison Ave. Toledo OH 43604		CONTACT NAME: Micah Shelton PHONE: 407-215-2231 FAX: 419-255-7557 E-MAIL: Toledo-office@hyliant.com ADDRESS: Toledo-office@hyliant.com		INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: Hartford Casualty Insurance Co 29424 INSURER B: Property & Casualty Ins Co of Hartford 34590 INSURER C: Lloyds Of London 100332 INSURER D: INSURER E: INSURER F:		
INSURED Propel Engineering, LLC 2711 N. Vista Parkway, Ste B-7 West Palm Beach FL 33411		License#: 73884 TRAFFMO-01				
COVERAGES		CERTIFICATE NUMBER: 1829971140		REVISION NUMBER:		
<p>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.</p>						
INSR LTR	TYPE OF INSURANCE	ADDITIONAL INSURED	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 type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		210BMBKZENA	10/10/2024	10/10/2025	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (EA occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMPROP AGG \$4,000,000 \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> Hired AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		210BMBKZENA	10/10/2024	10/10/2025	COMBINED SINGLE LIMIT (EA accident) \$1,000,000* BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$10,000		210BMBKZENA	10/10/2024	10/10/2025	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/NUMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	21WECAZSL3L	10/10/2024	10/10/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
C	Professional Liability		PLC-03718-00	10/10/2024	10/10/2025	Each Claim 2,000,000 All Claims 2,000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) * The limit associated with the auto liability is included in the GL						
CERTIFICATE HOLDER			CANCELLATION			
For Information Only			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 <i>Nicholas E. Hyland</i>			
ACORD 25 (2016/03)			© 1988-2015 ACORD CORPORATION. All rights reserved.			
			The ACORD name and logo are registered marks of ACORD			

Certificate of Insurance*

*Propel Engineering, LLC acknowledges the insurance requirements for this contract and agrees to furnish all required insurance documentation within 10 days of award.

A. LICENSES & CERTIFICATIONS (CONT'D)

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LICENSEE DETAILS

Licensee Information

Name: ALAM, MAJHARUL (Primary Name)
Main Address: 6410 BOYD LANE
LAKE WORTH Florida 33462
County: PALM BEACH

License Information


License Type: Professional Engineer
Rank: Prof Engineer
License Number: 61600
Status: Current,Active
Licensure Date: 07/29/2004
Expires: 02/28/2027

Special Qualifications

Qualification Effective
Civil 03/18/2004

Alternate Names

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LICENSEE DETAILS

Licensee Information

Name: BROWN, ELIOT LEE (Primary Name)
Main Address: 1826 SW JANETTE AVE
PORT SAINT LUCIE Florida 34953
County: ST. LUCIE

License Information


License Type: Professional Engineer
Rank: Prof Engineer
License Number: 82232
Status: Current,Active
Licensure Date: 01/11/2017
Expires: 02/28/2027

Special Qualifications

Qualification Effective
Civil 03/24/2016

Alternate Names

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LICENSEE DETAILS

Licensee Information

Name: WEYDAHL, SVEN (Primary Name)
Main Address: 13155 IKORA CT.
APT#709
NORTH MIAMI Florida 33181
County: DADE

License Information


License Type: Professional Engineer
Rank: Prof Engineer
License Number: 38869
Status: Current,Active
Licensure Date: 08/10/1987
Expires: 02/28/2027

Special Qualifications

Qualification Effective

Alternate Names

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LICENSEE DETAILS

Licensee Information

Name: SHUVO, DILNAHAR HOSSAIN (Primary Name)
Main Address: 11186 SW 17TH MNR
DAVIE Florida 33324
County: BROWARD

License Information


License Type: Professional Engineer
Rank: Prof Engineer
License Number: 92997
Status: Current,Active
Licensure Date: 12/13/2021
Expires: 02/28/2027

Special Qualifications

Qualification Effective
Civil 12/13/2021

Alternate Names

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LICENSEE DETAILS

Licensee Information

Name: AHMED, ISTIAK (Primary Name)
Main Address: 1300 S STRAWBERRY LN.
WEST PALM BEACH Florida 33415
County: PALM BEACH

License Information


License Type: Professional Engineer
Rank: Prof Engineer
License Number: 93114
Status: Current,Active
Licensure Date: 01/04/2022
Expires: 02/28/2027

Special Qualifications

Qualification Effective
Civil 01/04/2022

Alternate Names

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LICENSEE DETAILS

Licensee Information

Name: KHAN, MOHAMMAD ASLAM (Primary Name)
Main Address: 40 NW 116TH PL #1
MIAMI Florida 331724913
County: DADE

License Information

License Type: Professional Engineer
Rank: Prof Engineer
License Number: 18892
Status: Current,Active
Licensure Date: 07/22/1977
Expires: 02/28/2027

Special Qualifications

Qualification Effective
Advanced Building Code Course Credit 06/19/2018

Alternate Names

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A. LICENSES & CERTIFICATIONS (CONT'D)



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LICENSEE DETAILS

Licensee Information

Name:	LINCKS AND ASSOCIATES, LLC (Primary Name)
Main Address:	5023 W LAUREL ST TAMPA Florida 33607-3816
County:	HILLSBOROUGH

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	4658
Status:	Current
Licensure Date:	03/04/1987
Expires:	

Special Qualifications

Qualification Effective	
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Alternate Names

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LICENSEE DETAILS

Licensee Information

Name:	TRAFFIC & MOBILITY CONSULTANTS LLC (Primary Name)
Main Address:	3101 MAGUIRE BOULEVARD SUITE 265 ORLANDO Florida 32803
County:	ORANGE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	30024
Status:	Current
Licensure Date:	10/10/2012
Expires:	

Special Qualifications

Qualification Effective	
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LICENSEE DETAILS

Licensee Information

Name:	FULP, ROBERT W. (Primary Name)
Main Address:	12803 MIRAMAR PLACE TAMPA Florida 33625
County:	HILLSBOROUGH

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	44674
Status:	Current,Active
Licensure Date:	08/23/1991
Expires:	02/28/2027

Special Qualifications

Qualification Effective	
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Alternate Names

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[View Related License Information](#)
[View License Complaint](#)

Florida dbpr Department of Business & Professional Regulation HOME CONTACT US MY ACCOUNT

11:16:27 AM 7/21/2025

ONLINE SERVICES

- Apply for a License
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- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name:	PATEL, VIBHUTI (Primary Name)
Main Address:	3111 REGAL DARNER DRIVE KISSIMMEE Florida 34744
County:	OSCEOLA

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	94205
Status:	Current,Active
Licensure Date:	06/08/2022
Expires:	02/28/2027

Special Qualifications

Qualification Effective	
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Alternate Names

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[View Related License Information](#)
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4:21:04 PM 7/22/2025

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name:	ELGAMAL, BASSEL (Primary Name)
Main Address:	8154 STONE LEAF LN TAMPA Florida 33647
County:	HILLSBOROUGH

License Information

License Type:	Engineering Intern
Rank:	Eng Intern
License Number:	1100028597
Status:	Current
Licensure Date:	01/30/2025
Expires:	

Special Qualifications

Qualification Effective	
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Alternate Names

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[View Related License Information](#)
[View License Complaint](#)

Certificates of Authorization for
Branch Offices &
Professional Engineering Licenses
for Key Branch Office Staff

A. LICENSES & CERTIFICATIONS (CONT'D)



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Florida dbpr Department of Business & Professional Regulation

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10:43:13 AM 2/15/2024

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
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- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
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LICENSEE SEARCH OPTIONS

Data Contained in Search Results is Current As Of 02/15/2024 10:41 AM.

Search Results - 2 Records

Please see our [glossary of terms](#) for an explanation of the license status shown in these search results. For additional information, including any complaints or discipline, click on the name.

License Type	Name	Name Type	License Number/Rank	Status/Expires
Registered Landscape Architect	COTLEUR & HEARING INC. COTLEUR & HEARING LANDSCAPE ARCHITECTURE.	DBA	LA0000943 Landscape Arc	Current, Active 11/30/2025
Main Address*: C/O COTLEUR & HEARING JUPITER, FL 33458				
Landscape Architecture Business Information	COTLEUR & HEARING LANDSCAPE ARCHITECTURE, LLC	Primary	Business Info	Current
Main Address*: 1924 COMMERCE LANE SUITE 1 JUPITER, FL 33458				

[Back](#) [New Search](#)

* denotes
Main Address - This address is the Primary Address on file.
Mailing Address - This is the address where the mail associated with a particular license will be sent (if different from the Main or License Location address).
License Location Address - This is the address where the place of business is physically located.

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

Florida dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

10:54:03 AM 7/20/2025

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name: WILBUR, AARON MARSHALL (Primary Name)
Main Address: 1916 LEN DR.
NORTH PALM BEACH Florida 33408
County: PALM BEACH

License Information

License Type: Registered Landscape Architect
Rank: Landscape Arc
License Number: LA6667229
Status: Current,Active
License Date: 06/29/2015
Expires: 11/30/2025

Special Qualifications Qualification Effective

Alternate Names

[View Related License Information](#)
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Florida dbpr Department of Business & Professional Regulation

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11:21:16 AM 7/21/2025

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

License Information

Name: COTLEUR, ROBERT JOSEPH (Primary Name)
Main Address: COTLEUR & HEARING INC (DBA Name)
C-O COTLEUR & HEARING
1934 COMMERCE LANE, SUITE 1
JUPITER Florida 33458
County: PALM BEACH

License Information

License Type: Registered Landscape Architect
Rank: Landscape Arc
License Number: LA0001067
Status: Current,Active
License Date: 10/04/1985
Expires: 11/30/2025

Special Qualifications Qualification Effective

Mangrove Trimmer 01/07/2004

Alternate Names

[View Related License Information](#)
[View License Complaint](#)

Florida dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

11:24:47 AM 7/21/2025

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

License Information

Name: KINKAD, HEATHER A (Primary Name)
Main Address: 1943 HORSE SHOE DR.
VIENNA Virginia 22182
County: OUT OF STATE

License Location: 1934 COMMERCE LN
STE ONE
JUPITER FL 33458
County: PALM BEACH

License Information

License Type: Registered Landscape Architect
Rank: Landscape Arc
License Number: LA6667097
Status: Current,Active
License Date: 09/02/2011
Expires: 11/30/2025

Special Qualifications Qualification Effective

Alternate Names

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Certificates of Authorization for Subconsultant
Firms & Professional Engineering Licenses for Key
Subconsultant Staff

A. LICENSES & CERTIFICATIONS (CONT'D)



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dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

6:20:37 PM 7/21/2025

ONLINE SERVICES

- Apply for a License
- Verify a License
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name: H2R CORP (Primary Name)
Main Address: 3921 76TH AVENUE NORTH
PINELLAS PARK Florida 33781
County: PINELLAS

License Information

License Type: Engineering Business Registry
Rank: Registry
License Number: 31828
Status: Current
License Date: 08/26/2016
Expires:

Special Qualifications Qualification Effective

Alternate Names

View Related License Information
View License Complaint

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dbpr Department of Business & Professional Regulation

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5:06:50 PM 7/20/2025

ONLINE SERVICES

- Apply for a License
- Verify a License
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE SEARCH OPTIONS

Data Contained in Search Results is Current As Of 07/20/2025 05:06 PM.

Search Results - 1 Records

Please see our [glossary of terms](#) for an explanation of the license status shown in these search results.

For additional information, including any complaints or discipline, click on the name.

License Type	Name	Name Type	License Number/Rank	Status/Expires
Engineering Intern	CRAFTON, CAROLINE HOPE	Primary	1100028685 Eng Intern	Current

Main Address: 2790 GRAND AVE ST. PETERSBURG, FL 33716

Back New Search

* denotes
Main Address - This address is the Primary Address on file.
Mailing Address - This is the address where the mail associated with a particular license will be sent (if different from the Main or License Location addresses).
License Location Address - This is the address where the place of business is physically located.

2601 Blair Stone Road, Tallahassee FL 32399 Email: Customer Contact Center Customer Contact Center: 850.487.1395

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Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, businesses licensed under Chapter 455, F.S., must provide the Department with an email address if they have one. The email provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our [Chapter 455](#) page to determine if you are affected by this change.

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

DELMAS, YVES-STANLEY
3760 MOSS POINTE CIRCLE
LAKE WORTH FL 33467

LICENSE NUMBER: PE80352
EXPIRATION DATE: FEBRUARY 28, 2027
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Melanie S. Griffin, Secretary

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

NELSON, JORDAN DANIEL
16301 DOVETAIL WAY
SPRING HILL FL 34610

LICENSE NUMBER: PE85278
EXPIRATION DATE: FEBRUARY 28, 2027
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Melanie S. Griffin, Secretary

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

NGUYEN, THAI
19451 GULF BLVD
UNIT 307
INDIAN SHORES FL 33785

LICENSE NUMBER: PE66551
EXPIRATION DATE: FEBRUARY 28, 2027
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Certificates of Authorization for Subconsultant
Firms & Professional Engineering Licenses for Key
Subconsultant Staff

A. LICENSES & CERTIFICATIONS (CONT'D)



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2015 Apalachee Parkway Tallahassee, Florida 32309-6500
800HELPLA(435-7352) or (850) 488-2221

January 31, 2025

MANUEL G VERA & ASSOCIATES, INC.
13960 SW 47TH ST
MIAMI, FL 33175-4404

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB2439

Your application / renewal as a professional surveyor and mapper business as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at www.800helpfla.com to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2015 Apalachee Parkway Tallahassee, Florida 32309-6500

License No.: LB2439
Expiration Date: February 28, 2027

Professional Surveyor and Mapper Business License
Under the provisions of Chapter 472, Florida Statutes

MANUEL G VERA & ASSOCIATES, INC.
13960 SW 47TH ST
MIAMI, FL 33175-4404

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is a security line that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services

Department Home Consumer Services

FIND A BUSINESS OR INDIVIDUAL
License Lookup
*AS MAINTAINED BY THE DIVISION OF CONSUMER SERVICES

Name License (ex. LS9999) Phone City
County Program
☐ Limit results by Active status **SEARCH** **CLEAR ALL**

Records Found: 1 [File Complaint](#)

Search Results

Sort By Filter By State/City Display per page
NAME: A to Z <Show All> 20

CARLOS E ALONSO
9355 SW 84TH TER, MIAMI, FL 33173-4505 Email: calonso@mgvera.com

License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS6669	07/22/08	02/28/27	Active

Florida Department of Agriculture and Consumer Services

Department Home Consumer Services

FIND A BUSINESS OR INDIVIDUAL
License Lookup
*AS MAINTAINED BY THE DIVISION OF CONSUMER SERVICES

Name License (ex. LS9999) Phone City
County Program
☐ Limit results by Active status **SEARCH** **CLEAR ALL**

Records Found: 1 [File Complaint](#)

Search Results

Sort By Filter By State/City Display per page
NAME: A to Z <Show All> 20

JAMES PATRICK LEONHARDT
5654 SE HARBOR TER, STUART, FL 34997-2538 Email: maryjim2010@gmail.com

License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS5800	02/02/98	02/28/27	Active

Florida Department of Agriculture and Consumer Services

Department Home Consumer Services

FIND A BUSINESS OR INDIVIDUAL
License Lookup
*AS MAINTAINED BY THE DIVISION OF CONSUMER SERVICES

Name License (ex. LS9999) Phone City
Christopher Miller LS5921
County Program
☐ Limit results by Active status **SEARCH** **CLEAR ALL**

Records Found: 1 [File Complaint](#)

Search Results

Sort By Filter By State/City Display per page
NAME: A to Z <Show All> 20

CHRISTOPHER PAUL MILLER
640 10TH ST SW, VERO BEACH, FL 32962-5639 Email: cmiller@mgvera.com

License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS5921	01/19/99	02/28/27	Active

Florida Department of Agriculture and Consumer Services

Department Home Consumer Services

FIND A BUSINESS OR INDIVIDUAL
License Lookup
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Name License (ex. LS9999) Phone City
County Program
☐ Limit results by Active status **SEARCH** **CLEAR ALL**

Records Found: 1 [File Complaint](#)

Search Results

Sort By Filter By State/City Display per page
NAME: A to Z <Show All> 20

MARK R SOWERS
13670 N INDIAN RIVER DR, SEBASTIAN, FL 32958-3435 Email: msowers@mgvera.com

License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS5296	07/19/93	02/28/27	Active
Surveyor of Record For	LB8403	10/13/20	02/28/27	Active


Certificates of Authorization for Subconsultant
Firms & Professional Engineering Licenses for Key
Subconsultant Staff

A. LICENSES & CERTIFICATIONS (CONT'D)



**OM ENGINEERING
SERVICES, INC.**
Civil • Structural • Inspections

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

 Department of Business & Professional Regulation

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6:38:36 PM 7/21/2025

ONLINE SERVICES

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- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name:	OM ENGINEERING SERVICES, INC. (Primary Name)
Main Address:	621 E. WASHINGTON STREET SUITE 8 ORLANDO Florida 32801
County:	ORANGE

License Information


License Type:	Engineering Business Registry
Rank:	Registry
License Number:	26637
Status:	Current
Licensure Date:	10/04/2005
Expires:	

Special Qualifications **Qualification Effective**

Alternate Names

[View Related License Information](#)
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 Department of Business & Professional Regulation

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- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name:	BANSAL, DHRUV (Primary Name)
Main Address:	355 N ROSALIND AVE APT 1005 ORLANDO Florida 32801
County:	ORANGE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	92007
Status:	Current/Active
Licensure Date:	08/12/2021
Expires:	02/28/2027


Special Qualifications **Qualification Effective**

Civil	08/12/2021
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Alternate Names

[View Related License Information](#)
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 Department of Business & Professional Regulation

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12:04:24 PM 7/22/2025

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name:	BHAVSAR, NIMESH (Primary Name)
Main Address:	620 RICHMOND ST ORLANDO Florida 328060000
County:	ORANGE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	56861
Status:	Current/Active
Licensure Date:	02/15/2001
Expires:	02/28/2027

Special Qualifications **Qualification Effective**

FL Board Recognized Structural Engineer	08/14/2023
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Alternate Names

[View Related License Information](#)
[View License Complaint](#)

Certificates of Authorization for Subconsultant
Firms & Professional Engineering Licenses for Key
Subconsultant Staff

B. FIRM HISTORY

Founded in 2015, PROPEL is a roadway design engineering firm and provider of innovative and high-value civil engineering solutions to public and private clients across Florida. Most of our business is garnered from public sector clients, including the Florida Department of Transportation (FDOT) and other Florida municipalities. We provide design services for roads and highways, stormwater management systems, traffic signals, roadway lighting, signing and pavement marking, pedestrian and bicycle facilities, civil engineering and land development, water and wastewater distribution, water resources, and environmental engineering. **Our firm was founded on the principle of providing innovative, cost-effective, and sound engineering design while always keeping safety in mind.** We also offer quality assurance/quality control, design-build, construction engineering inspection (CEI), value engineering studies (VE), and expert witness services.

PROPEL was founded by Maj Alam, PE, PMP who is the current Principal-in-Charge and Authorized Member. PROPEL's main office is located at 2711 N. Vista Parkway, Suite B-7, West Palm Beach, Florida, 33411. We employ 15 team members in the West Palm Beach office. In 2024, PROPEL was acquired by TMC Acquisitions LLC. We have branch offices in Stuart, Tampa, Orlando and Jacksonville, Florida. Together, we offer the strength of over 60 engineers, planners, designers, and technical staff who are ready to support this contract with responsive, quality, reviews of peer design projects.

Officers of Propel Engineering, LLC include:

Matthew Ryan, CEO

Majharul Alam, Authorized Person

Matt Bergin, Authorized Person

Alex Vargas, Authorized Person

Matthew Contini, Controller

TMC Acquisitions, Inc., Managing Member

Annual volume of work:

2020 \$2,225,047.00

2021 \$2,485,169.00

2022 \$3,647,566.00

2023 \$4,179,866.07

2024 \$3,246,659.19

C. SIMILAR PROJECT EXPERIENCE

Every project we undertake undergoes rigorous quality assurance and quality control from project inception to final submittal. Our entire staff regularly performs peer QC and we conduct peer reviews for projects conducted in our branch offices. Below is a sample list of projects PROPEL has successfully completed in Florida, what role PROPEL served (prime or subconsultant), funding type, and common design elements involved. All of these projects were carefully reviewed through our thorough 11-step QC Process tailored specifically for design.

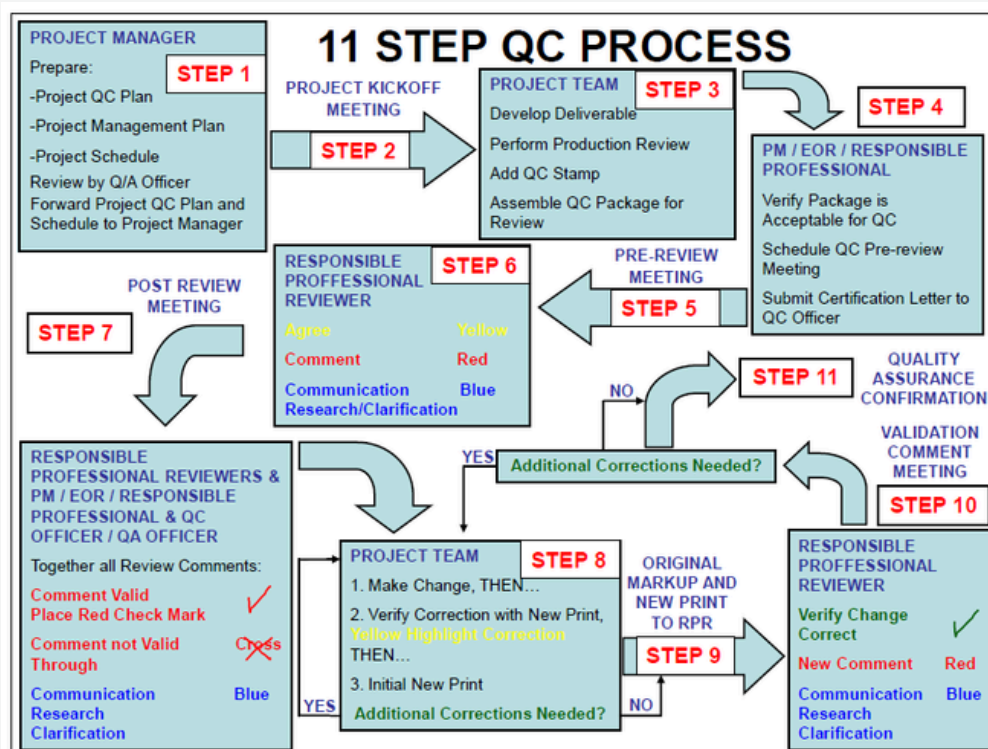
PROPEL Projects	Prime Consultant	LAP/ Federal Funding	Shared Use Path	Sidewalk	Bike Lanes	Drainage/ Utilities	Lighting	S&PM	Municipal/ Government Agency
14th Mobility Improvements	✓	✓	✓	✓	✓	✓		✓	✓
SR 15 RRR	✓					✓		✓	✓
SR 406 RRR	✓	✓		✓	✓	✓	✓	✓	✓
SR 600/US 441 Signal	✓	✓		✓	✓	✓	✓	✓	✓
SR 44 Resurfacing	✓	✓		✓	✓	✓		✓	✓
SR 15/SR 552 Signal	✓			✓	✓	✓	✓	✓	✓
SR 530 RRR	✓			✓	✓	✓		✓	✓
SR 535 RCUT	✓			✓	✓	✓	✓	✓	✓
SR 44 Sumter RRR	✓	✓		✓	✓	✓	✓	✓	✓
SR 973	✓	✓		✓	✓	✓		✓	✓
SR 5 RRR	✓			✓	✓	✓		✓	✓
Morris Bridge Rd	✓	✓	✓	✓	✓	✓	✓	✓	✓
TPK Mainline RRR	✓					✓		✓	✓
SR 615 RRR	✓			✓	✓	✓	✓	✓	✓
SR 809 RRR	✓			✓	✓	✓	✓	✓	✓
SR 15 RRR Palm Beach County	✓			✓	✓	✓	✓	✓	✓
SR 15 RRR Martin County	✓					✓		✓	✓
SR 804 Complete Street	✓	✓	✓	✓	✓	✓	✓	✓	✓
SR 326 RRR	✓				✓	✓		✓	✓
SR 50 @ Highland Ave Signal	✓			✓	✓	✓	✓	✓	✓
SR 50 @ Fern Creek Signal	✓			✓	✓	✓	✓	✓	✓
SR 54 RRR	✓			✓	✓	✓	✓	✓	✓
Gun Club Rd Widening	✓	✓		✓	✓	✓		✓	✓
Lyons Rd Widening	✓	✓		✓	✓	✓	✓	✓	✓
Haverhill Rd & Ceciele Ave Widening	✓	✓		✓	✓	✓		✓	✓
Le Chalet Blvd @ Military Tr Signal	✓	✓		✓	✓	✓	✓		✓
Jog Rd & Melaleuca Ln Widening	✓	✓		✓	✓	✓	✓	✓	✓

C. SIMILAR PROJECT EXPERIENCE

PROPEL has successfully completed over 60 contracts on time and within budget for nine municipalities: Florida's Turnpike Enterprise; Palm Beach County; City of Delray Beach; and FDOT Districts 1,3,4,5,6 and 7.

Our experience has shown that minor changes in the design phase can result in significant savings in right-of-way and construction costs. PROPEL will ensure the City of Port St. Lucie receives the maximum benefit from each dollar it spends. PROPEL has a history of implementing cost-saving ideas in both design and construction, having extensive experience in successful design-build and similar construction projects. We will apply that knowledge to peer reviews and work with the consultant and City to implement safe, constructible designs at the best value to the City and stakeholders.

Our proposed Project Manager, Maj Alam, PE, PMP, has an extensive history of peer reviews, beginning as a junior engineer and extending into his current position of Principal. Maj has hands-on involvement in all plans production and created the following 11-step rule for all PROPEL staff to follow:



The following pages provide a sample of contracts in which PROPEL successfully provided services to municipal clients within the past five (5) years. All of the projects were peer-reviewed using our effective 11-step QC process.

D. PROJECT EXPERIENCE EXAMPLES (1)

Project Title: Resurfacing, Restoration, and Rehabilitation (RRR) SR 530/US 92/W Irlo Bronson Memorial Highway from SR 417 to Bamboo Lane, Osceola County, FDOT District 5 (2018-2022)

Project Description: This RRR project spanned 3 miles of a 6-lane divided urban principal arterial along SR 530 between the Celebration Community and City of Kissimmee. Objectives of the project were to extend the life of the existing pavement through milling and resurfacing all travel and auxiliary lanes, and to accommodate buffered bicycle lanes by reducing lane widths using pavement markings. The improvements included adding an eastbound shoulder, drainage improvements, **updating pedestrian ramps and signal features to comply with ADA standards, sidewalk improvements, and relocating or replacing existing signage impacted by the proposed improvements and installing ITS fiber for the entire project limits. A lighting analysis was performed to ensure the corridor has proper lighting.**

Industry
Best Practices

The project involved a massive (20.5' X 42') control structure that was designed and constructed. The control structure includes trapezoidal shaped weir connected to a 6' X 5' box culvert on the west side, 42" of pipe on the south side, 72" of pipe on the north side, and 18" of pipe on the east side. Detailed structural calculations were done to ensure the structural integrity was maintained. Other project task included pavement design, permitting, intelligent transportation system (ITS) design, lighting and signalization design, signing and pavement marking design, geotechnical investigation, contamination impact assessment, specification, quantity and cost estimates, and post design.

Adherence
to Codes
& Standards

As with all design projects, PROPEL provided Final Construction Plans in accordance with all local and FDOT guidelines and standards. The plans included a key sheet, signature sheet, summary of pay items, typical sections, general notes, roadway plans, cross sections, summary of drainage structures, drainage structure sheets, stormwater pollution prevention plans (SWPPP), erosion control plans, traffic control plans, utility adjustment plans, signalization plans, and landscaping plans. **The plans were rigorously reviewed utilizing the PROPEL 11-Step QC Process.**

Industry Best Practices/
Ensuring Reduction in
Errors and Omissions

Client: FDOT D5
Primary Contact Name: Heidi Trivett
Address: 719 S. Woodland Blvd., DeLand, Florida 32720
Telephone Number: (386)943-5466
Email: Heidi.Trivett@dot.state.fl.us

D. PROJECT EXPERIENCE EXAMPLES (2)

Project Title: Boynton Beach Complete Streets, Palm Beach County/FDOT District 4/City of Boynton Beach (2021-2023)

Project Description: This was a high-profile project for the City of Boynton Beach. The project has two main corridors with various segments. The first segment runs along Boynton Beach Boulevard, the existing travel lanes width was reduced to provide an 11' and a 10' travel lane in each direction with sharrows, and 11' and 15' shared use paths. This segment also includes decorative lighting along the corridor. The second segment runs along NE 3rd Street, Boynton Beach Boulevard, and Ocean Avenue providing sharrows. The vertical and horizontal design were completed early in the design to avoid any right-of-way impacts and major utility conflicts. There were numerous stakeholders involved in this project, and the PROPEL team performed upfront and constant coordination to document all agreements, ensuring all parties agreed. **Our proactive and dedicated management approach resulted in an overall management evaluation grade of 4.7 out of 5, local agency coordination and public meeting evaluation grade of 5 out of 5. Although a new mid-block crosswalk was added after 60% plans that required a new mast arm design, PROPEL was able to deliver the project on time and within the design budget.**

Reduction in Errors and Omissions, Cost Savings, Adherence to Codes, Standards and Industry Best Practices

Complete Street Concept:

Client: FDOT D4
Primary Contact Name:
Ms. Leslie Wetherell, PE
Address: 3400 W Commercial Blvd
Fort Lauderdale, FL 33309
Telephone Number: (954) 777-4438
Email: Leslie.Wetherell@dot.state.fl.us



Florida Transportation Builders' Association (FTBA)
Best in Construction Award for Maintenance of Traffic (MOT)
awarded to PROPEL for outstanding MOT design

D. PROJECT EXPERIENCE EXAMPLES (3)

Project Title: SR 535 (Kissimmee–Vineland Road) Resurfacing, Restoration and Rehabilitation (RRR) Improvements from North of Lake Bryan Beach Boulevard (MP 1.304) to Lake Bryan Drive (MP 2.135), Orange County/FDOT District 5 (2018–2022)

Project Description: Under our districtwide continuing services contract with FDOT District 5, PROPEL prepared the design plans for the RRR improvements on 0.831 miles of this 6-lane, divided, urban facility in the busy tourist corridor located in unincorporated Orange County. The main objectives of the project were to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate bicycle lane/shared lanes in both directions by reducing the existing lane widths using pavement markings.

SR 535 Concept



Industry
Best
Practice

The project also included replacing three signals and adding a new signal to create Restricted Crossing U-Turn (RCUT) intersections to increase intersection capacity, reduce vehicle crashes, and improve pedestrian safety. Additional improvements include updating pedestrian ramps and signal features to comply with ADA standards, sidewalk improvements, and relocating/replacing the existing signage impacted by the proposed improvements.

Client: FDOT D5

Primary Contact Name: Megan Owens, CPM

Address: 719 S. Woodland Blvd. DeLand, FL 32720

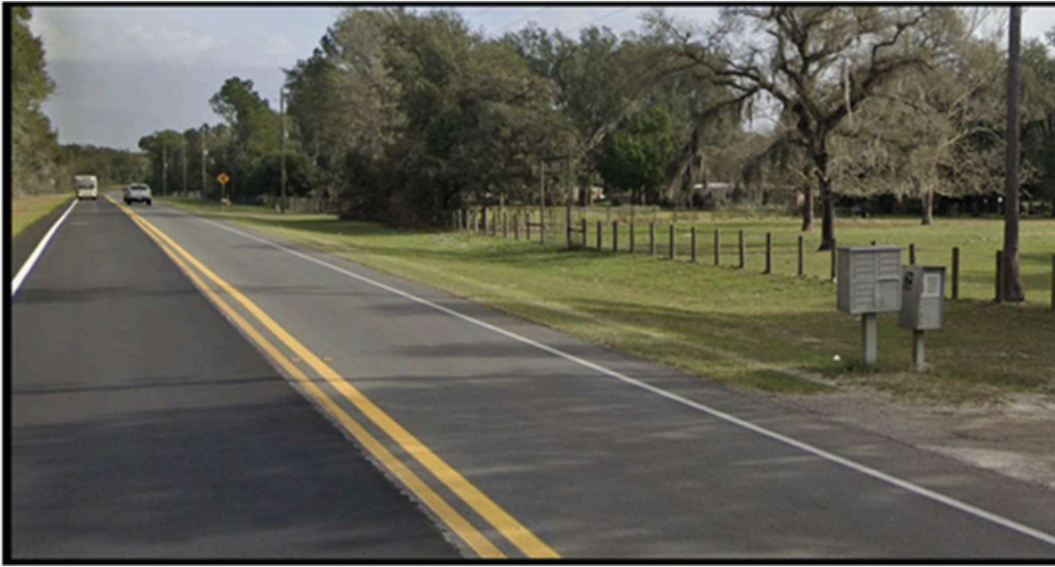
Telephone Number: (386) 943- 5140, (386) 956-4521 (cell)

Contact Email Address: megan.owens@dot.state.fl.us

D. PROJECT EXPERIENCE EXAMPLES (4)

Project Title: SR 44 from 2500' West of CR 437 (MP 7.758) to Volusia County Line (MP 23.830), Lake County/FDOT District 5 (2017-2020)

Project Description: This RRR project consisted of milling and resurfacing the existing pavement to extend the service life of the corridor. The design also included ADA improvements and the addition of bicycle keyholes along SR 44.



SR 44 Corridor

**Industry
Best
Practice**

The existing pavement was widened to accommodate the bicycle keyholes at the right turn lanes along the roadway. This project also involved bridge rehabilitation to improve the lifespan of the bridge. The project includes signalization upgrades to meet current ADA standards. To enhance safety on the corridor, PROPEL conducted a No-Passing Zone Study due to the limitations of the 2-lane undivided roadway.

Client: FDOT D5

Primary Contact Name:

Sarah Van Gundy, CPM

Address: 719 S. Woodland Blvd.

DeLand, FL 32720

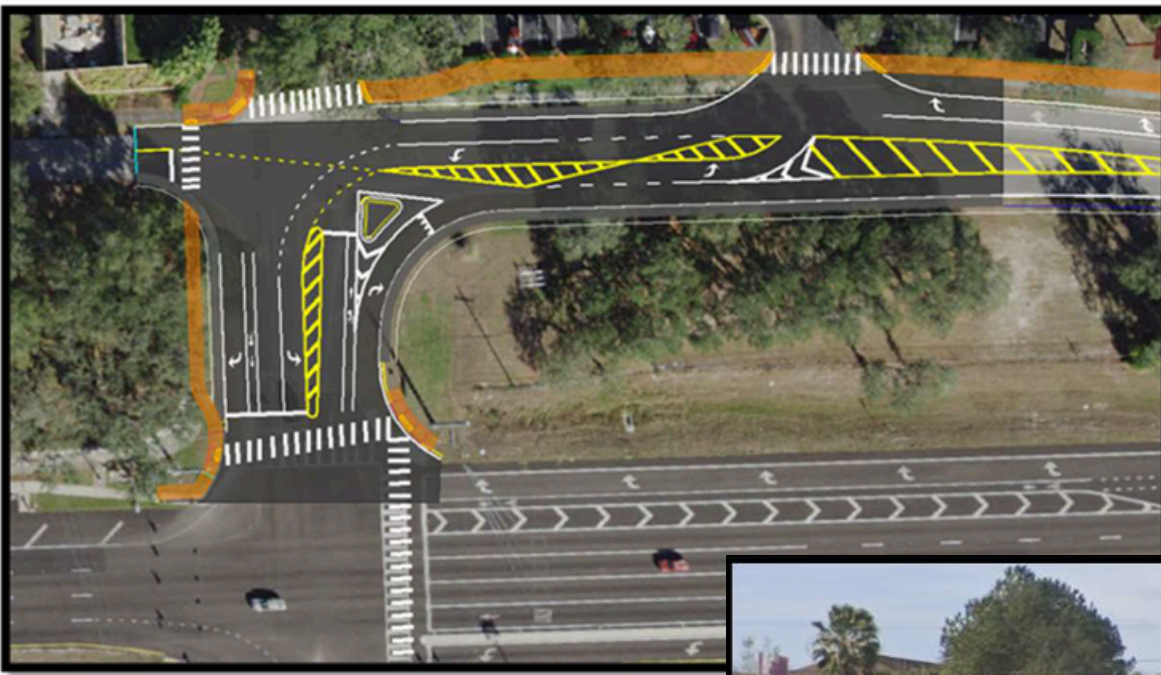
Telephone Number: (386) 943-5551

Email: sarah.vangundy@dot.state.fl.us

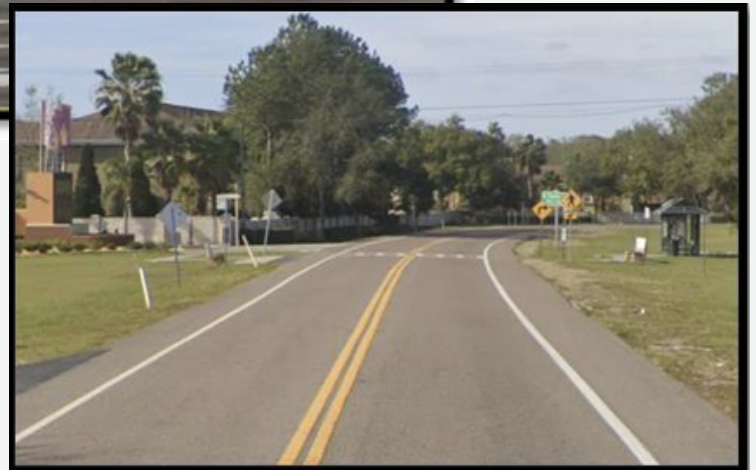
D. PROJECT EXPERIENCE EXAMPLES (5)

Project Title: Morris Bridge Road from Fowler Avenue to Fletcher Avenue and Morris Bridge Road from Davis Road to Fowler Avenue, Hillsborough County/FDOT District 7 (2018-2020)

Project Description: This 1.7-mile mobility improvement project is located in the City of Temple Terrace, Hillsborough County. PROPEL created the design plans for this project which included the addition of a bike lane from Davis Road to Fletcher Avenue by means of restriping and widening, and the construction of a 5' sidewalk on the west side of the roadway from Davis Road to Fowler Avenue, and 27th Avenue to Fletcher Avenue, where a sidewalk did not exist. The project also included the addition of a 10' shared-use path along the west side of Morris Bridge Road from Fisherman's Pointe Drive to 127th Avenue, and ADA improvements.



Improvement Concept



Existing Condition

Client: FDOT D7

Primary Contact Name: Charlie Xie, PE, PM

Address: 11201 N. McKinley Drive Tampa, FL 33612

Telephone Number: (813) 975-6287

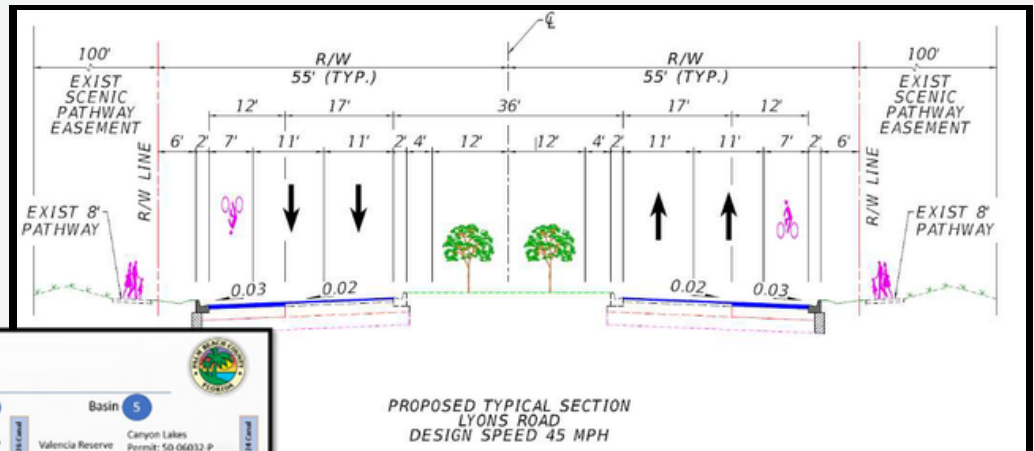
Email: Charlie.Xie@dot.state.fl.us

D. PROJECT EXPERIENCE EXAMPLES (6)

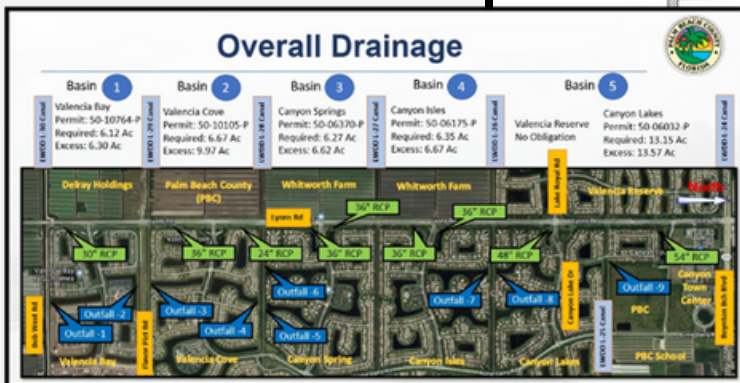
Project Title: Lyons Road from LWDD L-30 Canal to Boynton Beach Boulevard, Palm Beach County (2019-2025)

Project Description: The intent of the original scope was to provide right turn lanes at 6 locations, contingent HOA/property owners dedicating the ROW to the County. After Master Plan submittal, the County informed us that the HOA would not donate the required ROW, but still required the turn lanes, necessitating an entire horizontal and vertical redesign to widen to the median to accommodate the turn lanes. The South Florida Water Management District (SFWMD) had recently changed the load criteria requiring nutrient load to be calculated, having a negative impact to the project. We proactively coordinated with SFWMD to understand the new requirements and provide these calculations to avoid project delays. After NTP, the County identified significant traffic increases at an adjacent intersection due to construction of a nearby school. To remedy this, **PROPEL designed and provided plans to the County for the interim span wire signal in less than four weeks. Our meticulous internal QC process assured the plans were free of errors and suitable for immediate construction.**

Reduction in
Errors and
Omissions



Design Plans



Client: Palm Beach County Engineering & Public Works

Primary Contact Name: Mr. Maroun Azzi, PE

Address: 2300 N. Jog Road, 3rd Floor-West Wing, West Palm Beach, Florida 33411

Telephone Number: (561)-684-4150

Email: MAzzi@pbc.gov

D. PROJECT EXPERIENCE EXAMPLES (7)

**Project Title: Old Germantown Road from Old Germantown Road to S. Congress Avenue
Palm Beach County - City of Delray Beach (2022-2025)**

Project Description: This was a high priority, high profile project for the City of Delray Beach involving multi-modal improvements on 1.43 miles of a 2-lane local roadway that traverses a residential portion of the city. The corridor includes multiple side street connections, a fire station, bus stops and shelters, I-4 Canal bridge, and commercial development. PROPEL prepared design plans to provide 12' multi-use paths on both sides of the roadway including lighting and landscaping enhancements. Other improvements to the corridor include milling and resurfacing of the roadway to extend the pavement life, traffic calming features to reduce average driver speeds, and updates to guardrail and other safety features. Although the City began public outreach while securing funds from the federal grant, opposition to the project became significant during the Public Workshop during design phase. Another significant concern was removal of the existing landscaping, mature trees, and hedges within the road right-of-way, negatively impacting the aesthetic of their properties. **PROPEL worked with City to obtain public support for the revised plans promptly;** PROPEL and City staff met with each HOA and individual property owner to provide solutions to these concerns by realigning and narrowing the shared use path in certain locations to minimize tree and landscaping impacts. PROPEL accommodated multiple changes to the design to ensure no throw away or gaps between this project and an adjacent development project. **PROPEL also accommodated a major change when the City added another segment to the project, NW 22nd Avenue, while continuing to maintain the original schedule. PROPEL performed the additional design in good faith while Supplemental Agreement (SA) negotiations were still taking place, in order to eliminate any schedule delays and potential loss of funding for the project.**

Cost Savings!



Improvement Concept

Client: City of Delray Beach
Primary Contact Name: Jason Kaufman, PE
Address: 100 NW 1st Ave, Delray Beach, FL 33444
Telephone Number: (561)-243-6235
Email: Kaufmanj@mydelraybeach.com

D. PROJECT EXPERIENCE EXAMPLES (8)

Project Title: Miner Road and High Ridge Road Intersection Improvements, Palm Beach County (2019-2021)

Project Description: The project consists of evaluating the feasibility of constructing a single-lane roundabout at the intersection of Miner Road and High Ridge Road which required **extensive coordination with Palm Beach County and the City of Boynton Beach**. The proposed roundabout has two radii of 55' and 65', with 12' bypass lanes and a 10' shared use path.



Improvement Concept

Industry
Best
Practices

Preliminary plans were prepared in order to develop costs, assess impacts, and coordinate with the City of Boynton Beach to ensure their design vision and project concerns were addressed; and developed the recommended alternative for the County. PROPEL was responsible for project management and all aspects of the design services including roadway, stormwater management, temporary traffic control plans, erosion control plans, environmental and stormwater management permit, signing and pavement marking, and lighting design.

Client: Palm Beach County Engineering & Public Works
Primary Contact Name: Will Carey, PE
Address: 2300 North Jog Rd, West Palm Beach, FL 33411
Telephone Number: (561) 684-4183
Email: wcarey@pbcgov.org

D. PROJECT EXPERIENCE EXAMPLES (9&10)

Project Title: SR 809 (Military Trail) from Dyer Boulevard to North of Flag Drive, Palm Beach County - FDOT District 4 (2021-2023)

Project Description: RRR project consisting of milling and resurfacing the existing pavement to extend the service life of the corridor. The project also includes pedestrian lighting at the intersection with SR 710/MLK Jr Boulevard, **ADA improvements, and signal upgrades including video detection and reflectorized backplates.**

Adherence
to Codes &
Standards



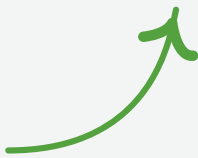
Client: FDOT D4
Primary Contact Name: Claudia Vinititskiy-Calvo, PE
Address: 3400 W Commercial Blvd,
Fort Lauderdale, FL 33309
Telephone Number: (954) 777-4476
Email: Claudia.Vinititskiy-Calvo@dot.state.fl.us



Project Title: SR 326 from SR 25/200 (US 411/30) to SR 40, Marion County - FDOT District 5 (2021-2023)

Project Description: RRR improvements on 8.4 miles of this 2-lane, 2-way, undivided rural facility. The objectives of the project were to extend the life of the existing pavement through milling and resurfacing of existing travel lanes and widening to provide bicycle lane keyholes. Pavement markings were replaced to meet current standards. **Existing signs impacted by the proposed improvements were relocated or replaced based on condition and reflectivity to comply with current standards.**

Adherence
to Codes &
Standards



Client: FDOT D5
Primary Contact Name: Megan Owens, CPM
Address: 719 S. Woodland Blvd.
DeLand, FL 32720
Telephone Number: (386) 943- 5140
Email: megan.owens@dot.state.fl.us



E. SUBCONSULTANT QUALIFICATIONS



Specialization:
**LANDSCAPE &
LANDSCAPE
ARCHITECTURE**

Cotleur & Hearing Inc (C&H) was formed in 1991 and have been practicing Landscape Architecture in South Florida for over 30 years. Their expertise and energy are focused on landscape architecture, land planning and the rapidly growing field of environmental design. Their seasoned staff include landscape architects, designers, graphic designers, planners, and environmental specialists. This dedicated team utilizes a multi-disciplinary approach to problem solving and has produced award-winning results. C&H has assisted the City with the design of several of the City's roadways. Utilizing the City's Beautification Policy Guidelines, C&H prepared varying levels of landscaping, hardscape, and irrigation within each corridor's medians, roundabouts (as applicable), and along the edges of the right of way.

PROJECT HIGHLIGHT: **City of Port St. Lucie Design, Production, Planning, and Branding**

Cotleur & Hearing has been providing comprehensive landscape architectural services to the City of Port St. Lucie to aid the City's management with the rebranding and continual improvement of the image and quality of life. This work has put Port St. Lucie on the map as one of the fastest growing cities in the Country and as one of the best places to live in Florida. (2019-Present)

PROJECT REFERENCE: John Dunton, Deputy Director of Public Works, City of Port St. Lucie
CONTACT PHONE: (772) 344-4035
CONTACT EMAIL: jdunton@cityofpsl.com



Specialization:
**GEOTECHNICAL
ENGINEERING**

H2R Corp was formed in 2016 but possesses a five-decade history pioneering new technology, providing exceptional geotechnical and material testing services and striving to be a Total Solution Provider for our client's design and construction needs. The resources of H2R Corp include full-service laboratories, geotechnical engineering services, drilling/field exploration equipment, and highly specialized in-situ testing equipment.

PROJECT HIGHLIGHT: **Port Everglades North Bulkhead Replacement**

H2R is providing structural inspection and documentation of existing conditions of four berth sections within Port Everglades as part of a major restoration and improvement project to the north area of the Cruise Port. H2R's scope of work includes on-site inspection supporting potholing exploration of existing soil anchors and subsurface utilities, borehole camera inspection, and structural inspection and documentation by a Vibration Specialty Engineer. (2024-Present)

PROJECT REFERENCE: Luis Silva, Moss & Associates
CONTACT PHONE: (786) 547-1396
CONTACT EMAIL: lsilva@mosscom.com

E. SUBCONSULTANT QUALIFICATIONS (CONT'D)



Specialization:

SUBSURFACE UTILITY
EXPLORATION;
SURVEY & MAPPING;
UTILITY
COORDINATION

M.G. Vera & Associates (MGV) was established in 1973 and has been providing quality Surveying and Mapping Services to both public and private clients for over 40 years in Florida. Our family business ideology is illustrated in our commitment to providing not only the highest quality but personal service to all our clients. Their commitment, performance and experience has resulted in repeat clients and multiple repeat selections on continuing service contracts. Since 1997, they have been continuously selected as the Survey Consultant for FDOT District Six and began providing "On Premise" Survey Project Managers to the District in 2012. Similar projects include FDOT District 4, Baseline and Right-of-Way review (Peer Review) in 2022.

PROJECT HIGHLIGHT: **FTE, Miscellaneous Survey and Mapping Services - South Region**

The work under this contract is concentrated in the portion of Florida's Turnpike System including SR 91, SR 869, SR 821, and Golden Glades Extension of Florida's Turnpike, in Miami-Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River and Okeechobee Counties. MGV's services include: control survey, design survey, subsurface utility exploration, construction surveying, right of way survey, vegetation survey, control survey map, right of way map, legal descriptions, maintenance map, terrestrial mobile lidar, control survey map, right of way map, legal descriptions, maintenance map, and maintenance of traffic. (2020-Present)

PROJECT REFERENCE: Gary Roche, PSM, Florida's Turnpike Enterprise

CONTACT PHONE: (407) 264-3637

CONTACT EMAIL: gary.roche@dot.state.fl.us



Specialization:

STRUCTURAL
ENGINEERING

OM Engineering Services, Inc. (OME) provides structural engineering, analysis and peer reviews for all types of facilities from retail, foodservice, healthcare, entertainment to traditional Hotels, offices buildings, parking garages, and remodels. Our team of structural engineers are adept in Bridge Design (concrete, steel); Wall Design (CIP, MSE, sheetpile); Mast Arms/Strain poles; Sign and Signal Structure/Overhead, and Building Structures

PROJECT HIGHLIGHT: **Kirkman Road Extension Major/Minor Bridge Design & Misc Structures**

OME worked alongside Traffic/Signal engineers and provided structural design and construction plans for numerous highway Miscellaneous structures such as mast arms, steel/concrete strain poles, box culverts, CIP walls, MSE walls & prestressed concrete bridges. **This project also included analyzing existing mast arm/strain pole assemblies to assess their reusability.** OME ensured that design was in accordance with applicable and current AASHTO, FDOT & County standards. All construction plans were prepared in accordance with FDOT policies, standards, procedures and manuals, as well as FDOT District 5 guidelines and practice. (2017 - Present)

PROJECT REFERENCE: Russ Dagon, SVP - Resort Development, Universal Creative

CONTACT PHONE: (407) 488-8041 (Mobile), (407)224-3236 (Office)

CONTACT EMAIL: Russ.Dagone@UniversalOrlando.com



INDEPENDENT PEER REVIEW OF DESIGN PLANS

TAB 2 - PERSONNEL & EXPERIENCE

PRGPEL
ENGINEERING
A **TMC** Company



A. KEY STAFF ROLES

PROPEL's multi-disciplinary team is capable of performing peer reviews for the full spectrum of design projects. Below is an introduction to the key staff who will serve the City. Immediately following this tab are team resumes detailing their professional background and experience.

Maj Alam, PE, PMP • Project Manager

SPECIALTY: PROJECT MANAGEMENT

Years of Experience: 24

Years with PROPEL: 10

Previous Employers: Precision Engineering; Kimley-Horn; Stantec; EAC Consulting



Maj will be the direct contact for City Staff and will be at the City's disposal throughout the duration of the contract. Maj has 24 years of experience in civil design. His broad range of core competencies include project management, roadway, complete street, drainage, signing & pavement marking (SPM), signalization, lighting, and maintenance of traffic (MOT) design, as well as construction administration. **His peer review experience includes a District Wide Plan Reviews contract** for FDOT D4 where he was responsible for reviewing and coordinating plan review comments involving roadway, structural, architectural, landscape design, signing and pavement marking, signalization, lighting, drainage, utility, spec package, MOT, and quantities.

Maj is a registered professional engineer in the State of Florida #61600, Project Management Professional (PMP) #1768882 and has an FDOT Advanced Work Zone Traffic Control certification.

ROLE/RESPONSIBILITIES: DIRECT CONTACT FOR CITY STAFF; OVERALL PROJECT QA & QC MANAGEMENT INCLUDING: PROJECT STAFF ASSIGNMENT & PERFORMANCE MONITORING; SCHEDULING & BUDGETARY CONTROLS; CONTRACT COMPLIANCE & REPORTING

Eliot Brown, PE • Assistant PM/Roadway Design Engineer

SPECIALTY: ADA COMPLIANCE

Years of Experience: 13

Years with PROPEL: 1+

Previous Employers: Culpepper & Terpening, Inc.; Kimley-Horn



Eliot is a civil engineer with more than 13 years of experience in roadway projects. He has served various districts within FDOT, California DOT, and the City of Las Vegas. His experience includes roadway signalization & pavement design, plans production, SPM, ITS, MOT, drainage design, 3D corridor modeling, utility coordination, ADA enhancements, roundabout design, engineer's estimates, and project scheduling. **Recent projects include Salerno Road Sidewalk Design in Martin County and Becker Road - Phase III Roadway Design which included 3 Roundabouts in Port St Lucie.** He is a registered professional engineer in the State of Florida # 82232.

ROLE: 2ND CONTACT FOR CITY STAFF; ASSIST WITH PROJECT MANAGEMENT ACTIVITIES

A. KEY STAFF ROLES (CONT'D)

Sven Weydahl, PE • Lead Peer Review Engineer

SPECIALTY: STANDARDS COMPLIANCE

Years of Experience: 41

Years with PROPEL: 10

Previous Employers: Beiswhenger, Hock & Associates;
C3TS; Kunde, Sprecher & Associates; HNTB



Sven has over 41 years of experience on highway-related engineering projects. Sven has served as the QA/QC Officer, Project Manager, Lead Designer and Engineer of Record (EOR) for various major transportation projects for different agencies. He has been instrumental in upholding the PROPEL quality controls for the past decade. His experience includes serving as **QA/QC Officer for the FDOT District 5 Continuing Services for Roadway Design contract**. **Sven provides overall Quality Assurance and Quality Control for all Propel design projects.** He is a registered professional engineer in the State of Florida #38869.

ROLE: INTERNAL PEER REVIEWS - FINAL QA&QC OF PEER REVIEW DOCUMENTS

Dilnaha Shuvo, PE • Design Engineer/Peer Review **LIGHTING, SIGNALIZATION & ESTIMATIONS**

SPECIALTY: ROADWAY DESIGN,

Years of Experience: 10

Years with PROPEL: 10

Previous Employers: N/A



Dilnaha has 10 years of experience performing engineering assignments such as: research and compiling data, utilizing applied software to perform engineering analysis, assisting in the preparation of reports, completing preliminary design calculations, preparing quantity takeoffs and estimates, and assisting in the preparation of engineering plans utilizing CADD software. She also has drainage design experience using ASAD and ICPR in addition to MicroStation, AutoCAD, HCM 2000, and CORSIM. She served as project engineer for the Districtwide Miscellaneous Design Services for Florida Turnpike Enterprise, SR 44 RRR project in Lake County, and D5 CSC for Roadway Design. **Dilnaha performs internal Quality Assurance and Quality Control (peer reviews) for engineering projects for other TMC offices including TMC's Stuart, Jacksonville and Orlando branches as well as Lincks & Associates in Tampa.** She is a registered professional engineer in the State of Florida #92997.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

A. KEY STAFF ROLES (CONT'D)

Istiak Ahmed, PE, PTOE, RSP1 • Design Engineer/Peer Review
DESIGN APPLICATIONS; UTILITY COORDINATION

SPECIALTY: SPM, SAFETY &

Years of Experience: 9

Years with PROPEL: 9

Previous Employers: N/A



Istiak has eight years of experience performing engineering assignments such as researching and compiling data, utilizing applied software to perform engineering analysis, assisting in the preparation of reports, completing preliminary design calculations, preparing quantity takeoffs and estimates, and assisting in the preparation of engineering plans utilizing CAD, software. Istiak has working experience with AutoCAD, MicroStation, HCM 2000, VISSIM, CORSIM, TRANSIMS, CUBE, TP+, STEAM, and MOVES. He served as project engineer for the SR 15 & SR 552 Signal Reconstruction and SR 535 RRR Improvements in Orange County, and **served as the Utility Coordinator for the D4 Districtwide Utility Consultant contract.** Istiak is a registered professional engineer in the State of Florida #93114, Professional Transportation Operations Engineer #5788, and is certified as a Roadway Safety Professional.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

Muhammad Rasheduzzaman • Senior Design Engineer/Peer Review **SPECIALTY: DRAINAGE & ENVIRONMENTAL IMPACTS**

Years of Experience: 20

Years with PROPEL: <1

Previous Employers: WALD+CORBE (Huegelsheim, Germany)



Muhammad is experienced in river basin and river hydraulics, river flow modeling (1D/2D), flood plain and flood management modeling, sediment transport and erosion control, ecosystem restoration and dry season flow augmentation. Hydraulic design of roadway, bridge, culvert, and fish pass. Storm sewer collection systems, storm water treatment facilities and roadways for public and private clients, roadway drainage design, roadway projects that required permitting for paving, drainage, water, and sewer systems. He is also proficient in earthwork calculations, specifications, estimations. **His experience includes serving as an In-House Consultant for a General Engineering Consultant (GEC) contract with Miami-Dade County.**

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

A. KEY STAFF ROLES (CONT'D)

Mohammad L. Khan "Khan", EI • Design Engineer/Peer Review DESIGN, QUANTITIES & MAINTENANCE OF TRAFFIC (MOT)

SPECIALTY: ROADWAY

Years of Experience: 16

Years with PROPEL: 1+

Previous Employers: HSQ Group, LLC



Khan has 16 years of experience in roadway projects involving design, production and field inspections. He performs engineering assignments including roadway design, lane closure analysis, developing MOT phases, formulating preliminary quantity reports and cost estimates and preparing quality control reports. **Recent projects include Palm Drive Intersection Improvements for two intersections locations along SR 9336.** The scope included widening, adding turn lane, milling and resurfacing (M&R), SPM, lighting, and signalization.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

Isa Hammadu, MSCE • Roadway Design Engineer/Peer Review

SPECIALTY: DRAINAGE

Years of Experience: 7

Years with PROPEL: 7

Previous Employers: N/A



Isa has 8 years of experience in major and minor highway design including horizontal and vertical geometry, drainage, traffic control, quantities, and performing peer QC. Relevant projects include the **Broward Mobility Hollywood project**, where he assisted in drainage transport and earthwork plan production, and preparing the Maintenance of Traffic (MOT) plans for the SR 15 RRR Improvements in Palm Beach County. Recently, he provided **peer review support for the Germantown Road Improvements project in Palm Beach County.**

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

Ahmed Raza Bhurgri • Roadway Design Engineer/Peer Review

SPECIALTY: LIGHTING

Years of Experience: 5

Years with PROPEL: 5

Previous Employers: N/A



Ahmed has 5 years of experience performing engineering assignments that involve research and collating data as well as applying software to perform engineering analysis, roadway design, lane closure analysis, developing maintenance of traffic (MOT) phases, formulating preliminary quantity reports, cost estimates and **preparing quality control reports.**

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

A. KEY STAFF ROLES (BRANCH OFFICES)



Years with
Lincks/TMC: 12
Previous
Employers:
SRD, Inc;
Bayside
Engineering

Robert Fulp, PE • Senior Design Engineer/Peer Review

SPECIALTY: ROADWAY LIGHTING, & HIGHWAY DESIGN

Robert has 41 years of experience as a diversified transportation engineer, including over 30 years of project management. Some large-scale projects he has managed include Del Prado Boulevard Signalization, which included plans for 21 signals; and the School Safety, Circulation and Access design/build project for 20+ schools throughout Hillsborough County. Robert **provides internal Quality Assurance and Quality Control (peer reviews) for minor and major highway design projects for all TMC offices including PROPEL and LINCKS.** He is a registered professional engineer in the State of Florida #44674 and Georgia #31528.

ROLE: LIGHTING LEAD - FINAL QA&QC OF PEER REVIEW DOCUMENTS



Years with TMC: 1+
Previous
Employers:
City of Orlando;
Orange County
Traffic Engineering

Vibhuti Patel, PE • Signal & ITS Design Engineer/Peer Review

SPECIALTY: SIGNALIZATION, ITS, SAFETY FEATURES & ADA COMPLIANCE

Vibhuti has 12 years of experience in both public and private sectors. She has managed numerous teams conducting safety projects that include signalization design, lane additions, road diets, median modifications, round-a-bouts, traffic calming construction, sidewalk, and bike lane installations. **She served as lead signal design reviewer for Orange County** prior to joining the public sector. **Vibhuti provides internal Quality Assurance and Quality Control (peer reviews) for signalization design projects for all TMC offices including PROPEL and LINCKS.** She is a registered professional engineer in the State of Florida #94205

ROLE: SIGNALIZATION & ITS LEAD - PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

A. KEY STAFF ROLES (BRANCH OFFICES)



Years with TMC: 8
Previous Employer:
ADT Traffic Data

Sahar Alseidi, AMOT • SPM, Signal & ITS Design Engineer/Peer Review

SPECIALTY: SPM, ITS, SAFETY FEATURES & ADA COMPLIANCE

Sahar is an architect and traffic design professional with 14 years of diversified experience. She serves as our in-house ITS expert, and is also adept at signal design, SPM, and MOT. **Sahar provides internal Quality Assurance and Quality Control (peer reviews) for signalization design and ITS projects for throughout TMC offices including PROPEL and LINCKS.** She holds Advanced Maintenance of Traffic certification (AMOT) and recently earned a certification in Transportation from the University of Central Florida.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE - SPM, MOT, ITS & SIGNALIZATION DESIGN



Years with TMC: <1
Previous Employer:
ITERIS, INC;
SAUDICO (Saudi
Arabia)

Bassel Elgamal, EI, IMSA-I • Traffic Engineer/Peer Review

SPECIALTY: ITS, SIGNAL TIMING

Bassel has 14 years of experience in traffic and transportation engineering. His recent work involves myriad traffic engineering and signal timing projects for FDOT District 5 as an in-house consultant. Over the past five years, his work has been primarily focused on improving traffic operations and implementing signal retiming projects aimed at enhancing mobility and reducing delays across arterial networks. **Bassel is a certified International Municipal Signal Association Traffic Signal Technician (IMSA-I)** and recently obtained Engineering Intern (EI) certification in the State of Florida.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE - ITS & SIGNAL TIMING PLANS

B. KEY STAFF ROLES (SUBCONSULTANTS)

We have partnered with respected and experienced firms to ensure all components of our peer reviews are conducted by experts in their field. All peer reviews will be conducted by certified/licensed professionals (as applicable) and will undergo an internal QA/QC prior to submitting the plans review documents/field review findings to PROPEL.

The subconsultants key staff we propose for this peer review contract follow:



Subsurface Utility Exploration (SUE), Survey & Utility Coordination				Total Years of Experience	Experience with Current Firm
Role in this Contract	Key Staff Name	Credentials/Licensure	Specialty		
Internal QA/QC	Mark Sowers, PSM	FL PSM #5266	SUE, Survey & Mapping	37	10
SUE & Survey Review	James "Jim" Leonhardt, PSM	FL PSM #5800	SUE, Survey & Mapping	37	7
Survey Review	Carlos Alonso, PSM, EI	FL PSM#6669; EI#1100011603	Design Survey, Construction Layouts	27	20
Survey Review	Christopher Miller, PSM	FL PSM#5921	Survey, ROW Control & Mapping	37	10
Utility Review	William "Garth" Thompson		Underground Utility Location & Resolution	19	2
Utility Review	Maurice "Sonny" Lapoint		Utility Coordination	6	1

Mark Sowers, PSM is a Professional Surveyor & Mapper with 37 years of experience throughout the state of Florida. His responsibilities include managing field operations and establishing standards for consultants as well as final quality assurance/quality control of all deliverables before client submission. He is proficient in the latest industry technology, as well as developing and implementing successful management strategies. Mark worked for the FDOT District 4 for eight years, four of them as District Surveyor. During his FDOT tenure, he actively participated in process improvements. He was a chairperson for FDOT's Survey Technical Advisory Committee and a member of the committees responsible for the development and implementation of the staff-hour estimating form and project network control sheet.

ROLE: SURVEY, SUE & MAPING LEAD - PEER REVIEWS FOR THE CITY OF PORT ST. LUCIE

James "Jim" Leonhardt, PSM is a Professional Surveyor and Mapper with 37 years of experience in land surveying and GIS implementation. He has extensive expertise in Arc/Info programming for GIS mapping and has developed Data Collection and Processing Standards tailored to meet client-specific needs. Throughout his career, Mr. Leonhardt has become highly proficient in processing survey data, including EFB data, and computer drafting.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (SUE & SURVEY)



B. KEY STAFF ROLES (SUBCONSULTANTS)

Carlos Alonso, PSM, EI has over 27 years of experience in the surveying field. He is proficient with CAICE, GEOPAK, Microstation, AutoCAD, Trimble, GPSurvey, and Trimble Geomatics Office, Hector, EFBP, Terramodel as well as numerous other survey and office software. In addition, he has field experience with several instruments and data collectors including Trimble GPS units, TSC1, TSCE, ACU, Robotic Total Stations, and levels, Ashtech GPS units and a variety of other total stations, levels, and instruments. Carlos is up to date with the current technology and is well trained with the latest technology, Laser Scanning. He is very familiar with the preparation of: Design Surveys, Right-of-Way Control Surveys, Right-of-Way Mapping, Construction Layouts, As-built Surveys, Drainage Surveys, and many more.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (DESIGN SURVEY & CONSTRUCTION LAYOUTS)

Christopher Miller, PSM has more than 37 years of surveying experience in Miami-Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River, Orange, Osceola, Volusia, and Lake Counties, Florida. His experience encompasses the preparation of project network control maps, right-of-way control surveys, right-of-way maps, legal and sketches, boundary surveys, as well as topographic surveys. He is proficient in computer operations, having worked extensively in MicroStation, AutoCADD, Geopak, EFBP, CAiCE, Trimble TTC/TBC, Trimble TA/RTK, and GPS Hector the Vector.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (SURVEY, ROW CONTROL & MAPPING)

William "Garth" Thompson has 19 years of experience in underground utility location and conflict resolution, serving clients both public and private on projects to the utility coordination of transportation projects. He also attends the triannual FUCC meetings and the FDOT Utility Liaison Conferences. Garth is actively engaged with multiple Local Utility Coordinating Committee meetings throughout the state that establishes, builds, and maintains relationships between Utility Agency Owners, Project Clients, and Governmental agencies.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (UNDERGROUND UTILITY LOCATION & RESOLUTION)

Maurice "Sonny" Lapoint has 6 years of experience as a Utility Coordinator. He has been trained to provide services for underground utility location and conflict resolutions, serving clients both public and private on transportation projects. Sonny attends the tri-annual FUCC meetings and the FDOT Utility Liaison Conferences. Sonny is actively engaged with multiple Local Utility Coordinating Committee meetings throughout the state that establishes, builds, and maintains relationships between Utility Agency Owners, Project Clients, and Governmental agencies.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (UTILITY COORDINATION/CONFLICTS)

B. KEY STAFF ROLES (SUBCONSULTANTS CONT'D)



Landscape Architecture & Irrigation				Total Years of Experience	Experience with Current Firm
Role in this Contract	Key Staff Name	Credentials/Licensure	Specialty		
Internal QA/QC	Aaron Wilbur, PLA	FL LA#6667229	Landscape Architecture	16	12
Landscape Architecture Review	Rob Cotleur, PLA	FL LA#0001067	Landscape Architecture	41	34
Landscape Architecture Review	Heather Kinkead, PLA	FL LA#6667097	Landscape Architecture	24	20
Landscape Architecture Review	Steven Rivera, ISA, CIT	ISA Certified Arborist, Certified Irrigation Tech	Urban Planning, Landscape Design	6	6

Aaron Wilbur, PLA has over 16 years of experience as a Project Landscape Architect and Project Manager. Aaron is an expert in a multitude of software, FDOT's standards and specifications, and all types of transportation landscape architecture projects, including both roadway component and standalone landscape projects. **His many years of experience working on FDOT projects, including several In-House Support and Continuing Services contracts,** have helped him develop expertise in FDOT project management as well as the digital delivery and phase submittal processes. He has successfully delivered numerous projects to FDOT on time and on budget. He is also an expert in the south Florida Nursery industry and has significant experience providing construction administration and post-design services, both of which lend to stronger design and plant selection abilities.

ROLE: LANDSCAPE ARCHITECTURE LEAD - PEER REVIEWS FOR THE CITY OF PORT ST LUCIE

Robert J. Cotleur, PLA, ASLA is a Senior Landscape Architect and firm Principal with more than 41 years of landscape architecture experience. He has developed considerable knowledge of South Florida ecology while participating in numerous planning, design, environmental, and construction administration projects. Over the past 25 years, **Robert has come to specialize in FDOT District 4 transportation projects which include the counties of Broward, Palm Beach, Martin, St. Lucie, and Indian River.** Robert assisted in the preparation of Landscape Brand Guidelines for both District 4 and the Turnpike, and he participated at a state level to assist the FDOT with the enhancement of standard specifications, design manual updates, and plan exhibits. As the Landscape Architect of Record, Robert was responsible for the landscape design of several notable roadways in South Florida including the I-95 gateway interchanges at I-595, Palm Beach Lakes, 45th St, Blue Heron Blvd, SR-706, CR-708, SR-76, SR-68, SR-70, and SR-60.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (LANDSCAPE ARCHITECTURE)



B. KEY STAFF ROLES (SUBCONSULTANTS CONT'D)

Heather Kinkead, PLA is a Senior Landscape Architect with 24 years of experience. She moved to Florida and became employed with Cotleur & Hearing in February 2005. Since her employment at Cotleur & Hearing, she has had the opportunity to work on numerous transportation, commercial, and residential landscape projects, becoming especially skilled in the development and review of transportation landscape plans, right of way permit plans for the Florida Department of Transportation and Palm Beach County, commercial site and landscape plans. **She has worked as an FDOT ERC plan reviewer, in-house QC reviewer,** and in the development of right-of-way permit plans for many of Cotleur and Hearing's commercial projects. Heather is an expert with CAD programs, bringing over twenty-six years of experience with AutoCAD and twelve years of experience in MicroStation.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (LANDSCAPE ARCHITECTURE)

Steven Rivera is a Landscape Designer, Certified Irrigation Technician, ISA Certified Arborist with 6 Years of Experience. He is highly skilled in design programs such as Microstation, AutoCAD, SketchUp, Photoshop, and GIS. Since joining Cotleur & Hearing, he has contributed to numerous FDOT roadway and landscape projects, working closely with supervisors and Principals while **rapidly mastering FDOT standards and procedures.** His technical expertise includes preparing Landscape, Irrigation, Selective Clearing & Grubbing, and Tree Disposition Plans for FDOT and local municipalities using both Microstation and AutoCAD. He has worked on a range of projects including Stand-Alone Landscape projects, Component Set roadway landscape projects, as well as Tree Disposition, Relocation, and Selective Clearing & Grubbing initiatives.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (URBAN PLANNING & LANDSCAPE DESIGN)

B. KEY STAFF ROLES (SUBCONSULTANTS CONT'D)



Geotechnical Engineering				Total Years of Experience	Experience with Current Firm
Role in this Contract	Key Staff Name	Credentials/Licensure	Specialty		
Lead/Internal QA/QC	Yves Stanley Delmas, P.E.	FL PE#80352	Geotechnical Engineering	16	9
Geotechnical Review	Dr. Thai Nyugen, P.E.	FL PE#66551	Geotechnical Engineering	29	9
Geotechnical Review	Jordan Nelson, P.E.	FL PE#85278	Geotechnical Engineering	14	6
Geotechnical Review	Caroline Crafton, EI	EI#1100028685	Geotechnical Technician	3	1

Yves-Stanley Delmas, PE is a Senior Geotechnical Engineer with 16 years of experience. He is responsible for the geotechnical design of civil projects, and the coordination of construction-phase services and inspections. Yves' design and knowledge of both geotechnical and conventional testing field services result in a skill set that combines his knowledge of design intent and the importance of collecting quality field data. He is experienced in geotechnical construction projects where mixed designs and in-situ testing are critical to the project's success. In addition, he has significant laboratory experience. He has logged drilled rigs in several states and is very **familiar with Florida geology**. Yves is highly experienced in both deep foundation quality assurance as well as design, including ACIP pilings, driven pilings, and drilled shafts (including non-redundant)

ROLE: GEOTECHNICAL LEAD - PEER REVIEWS FOR THE CITY OF PORT ST LUCIE

Thai Nguyen, PhD, PE is the H2R Chief Geotechnical Engineer with 29 years of experience. He has extensive knowledge in geotechnical engineering, specifically involving foundation systems for tunnels, bridges, buildings, dams, and other structures. Dr. Nguyen's technical experience in foundation testing includes Static Load Test (SLT), Dynamic Load Test (DLT), utilizing PDA, GPC, or EDC, Crosshole Sonic Logging (CSL), and Pile Integrity Tests (PIT). **He is often consulted by the State's Central office to support challenging projects due to his expertise during design and construction (CEI) and is an ideal partner for plan reviews.**

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (GEOTECHNICAL ENGINEERING)



B. KEY STAFF ROLES (SUBCONSULTANTS CONT'D)

Jordan Nelson, PE is a Senior Engineer with 14 years of experience. Owing to a background in instrumentation, controls engineering, solid mechanics, and manufacturing, Jordan fills a unique role within geotechnical and construction engineering. He began his career in structural materials research for FDOT and moved into deep foundations quality assurance. **He has extensive experience in static, bi-directional, and rapid foundation load testing as well as nondestructive integrity testing methods, geotechnical instrumentation, and environmental monitoring.** His product development experience has allowed him to advance the art of these services and promote the industry at large.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (GEOTECHNICAL ENGINEERING)

Caroline Crafton, EI is a Geotechnical Engineering Intern with 3 years of experience. in deep foundation testing, estimation, and project coordination, successfully managing more than 60 projects across the Mid-Atlantic. She specializes in dynamic, static, and integrity testing for deep foundations, utilizing advanced tools such as PDA, CAPWAP, WEAP, CSL, TIP, PIT, and static load testing to ensure accurate performance evaluation. **Her proficiency with geotechnical software, including LPILE and DrivenPiles, enables detailed data analysis and comprehensive technical reporting.**

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (GEOTECHNICAL SUPPORT)

B. KEY STAFF ROLES (SUBCONSULTANTS CONT'D)



**OM ENGINEERING
SERVICES, INC.**
Civil • Structural • Inspections

Structural Engineering

Role in this Contract	Key Staff Name	Credentials/Licensure	Specialty	Total Years of Experience	Experience with Current Firm
Lead/Internal QA/QC	Nimesh Bhavsar, PE	FL PE#56861	Structural Engineering	28	17
Structural Engineer	Dhruv Bansal, PE, PMP	FL PE#92007	Structural Engineering	8	8

Nimesh Bhavsar, PE is the President of OM Engineering Services, Inc., with over 28 years of experience, specializing in design and analysis of structures. His expertise includes design, detailing, and analysis of concrete and steel bridges, mast arm/sign structures, retaining walls, strain pole design, and reinforced concrete box culverts. Nimesh has also established experience with conducting structural inspections and the design/construction of bridges. Examples of design and inspection work include overhead sign structures for FDOT District 1, 2, 7, 3, and 4, water control structures, water tanks, and bridges. Nimesh's experience has involved geometric design using GEOPAK and production for sections and details of all components of a structure.

ROLE: STRUCTURAL ENGINEERING LEAD - PEER REVIEWS FOR THE CITY OF PORT ST LUCIE

Dhruv Bansal, PE, PMP is a Civil/Structural Engineer with 8+ years of experience and knowledge in engineering project design and management. He is responsible for preparing structural calculations and drawings, reviewing shop drawings, and implementing various civil engineering techniques, procedures, and principles. Dhruv has designed and detailed prestressed concrete bridges, MSE walls, mast arms, and other miscellaneous structures. In addition to working on various structures, he has assisted with developing roadway plans, estimating quantities, preparing cost estimates, specification packages, and QA/QC.

ROLE: PEER REVIEWS FOR THE CITY OF PORT ST LUCIE (STRUCTURAL ENGINEERING)

Mr. Alam has 24 years of experience in design and management of projects for complex highway Interchange on limited access facilities, major and minor highway design including horizontal and vertical geometry, drainage, traffic control, signalization, lighting, signing and pavement marking, pavement, noise wall, and retaining wall design. He has been the Engineer of Record for several roadway improvement projects including limited access, express and toll lane facilities.

EDUCATION

Master of Science in Civil Engineering,
Tennessee State University, Nashville,
Tennessee, 2001

Bachelor of Science in Civil Engineering,
Bangladesh University of Engineering and
Technology (BUET), Bangladesh, 1998

REGISTRATION

Professional Engineer #61600, FL

CERTIFICATIONS/TRAINING

Certified, PMI, Project Management
Professional, 2014
Certification #1768882

Certified, FDOT, Advanced Work Zone Traffic
Control, 2017

Training, FDOT, Specifications Package
Preparation, 2012

PROJECT EXPERIENCE

Broward Mobility Hollywood - 14th Ave. from Atlantic Shores Blvd to Sheridan St., Broward County – FDOT District 4

Project Manager and EOR for this federally funded, Broward MPO driven, off-system project to improve mobility within Broward County. This project has two main corridors with various segments that are not contiguous. The first segment generally runs along NE 14th Ave, S 14th Avenue, and N 14th Avenue in the Cities of Hallandale Beach and Hollywood, between Atlantic Shores Blvd and Sheridan Street. The second

segment runs along Polk Ave from N 17th Ave to N 14th Ave. The main items included in the scope are, the accommodation of bicyclists by providing bike lanes, or shared lane markings (sharrows), along 14th Ave; and adding shared use paths along Polk St and 14th Ave.

SR 15/US 441/US 98 RRR Improvements from S of Morgan Rd (MP 6.840) to S of Shirley Dr (MP 8.910), Palm Beach County – FDOT District 4

Project Manager and EOR for RRR improvements on 2.25 miles of this two-lane, two-way, undivided, rural facility in Palm Beach County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on condition and reflectivity to comply with current standards.

Continuing Services Contract Roadway Design 005 – FDOT District 5

Project Manager for this Task Work Order contract consisting resurfacing and signal replacement projects.

District Wide Minor Design Consultant – FDOT D1

Project Manager for this task work order contract acting as an extension of FDOT District 1 Staff. The projects varied from state to federally funded and included adding sidewalk under the Safe Routes to School program, intersection improvements and signal operation improvements.

District 4 District Wide Plan Reviews – FDOT D4

Reviewer responsible for reviewing and coordinating plan review comments per task work order involving roadway, structural, architectural, landscape design, signing and pavement marking, signalization, lighting, drainage, utility, Spec Package, MOT, and quantities. Review responsibilities included checking all submittal documents, reviewing design calculations, attending PS&E meeting, participating field reviews, and attending resolution/follow-up review meetings.

District Wide Minor Design Consultant – FDOT D4

Task Manager for this task work order contract acting as an extension of FDOT District 4 Staff. The project includes lighting retrofit.

District Wide Miscellaneous PE Design Consultant – FDOT District 6

Project Engineer for this Task Work Order contract. The TWOs include intersection and safety improvement.

Districtwide Miscellaneous Design Services – Florida Turnpike Enterprise

Project Manager for this Task Work Order contract acting as an extension of Florida Turnpike Enterprise (FTE) Staff. This Task Work Order includes fence replacement and several bridge painting projects.

SR 406 from West of Forrell Ave N to Washington Ave (SR-5 N), Brevard County – FDOT D5

Project Manager and EOR for this RRR project consisting of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as general highway safety enhancements. The project also includes restriping to provide a bicycle lane as well as adding missing sidewalk.

SR 600/SR 500/US 441/US 17-92 from S of SR 482 (Sand Lake Rd) to N. of SR 482, Orange County – FDOT D5

Project Manager and EOR for this safety improvement project in Orange County. The project consists of the design of Safety Improvements at Intersection of SR 600/US 441 at SR 482 (Sand Lake Road). The scope of this safety project includes the modification of the all returns at the intersection. The project also includes the correction of the tapers at various left turn lanes within the project limits.

SR 5/US 1/Overseas Highway from the Ohio-Bahia Honda Channel (MM 38.647) to the south end of the Seven Mile Bridge (MM 39.993), Monroe County – FDOT D6

Project Manager and EOR for this RRR project in Monroe County. The project consists of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as general highway safety enhancements. The project also includes widening to provide bicycle lane keyholes (5' wide) adjacent to the 11' wide right turn lanes into the Sunshine Key

RV Park at Ohio Key, the Boat Ramp Parking lot at Little Duck key, and Veterans Memorial Park.

SR 44 from 2500' West of CR 437 (MP 7.758) to Volusia County Line (MP 23.830), Lake County – FDOT District 5

Project Manager and EOR for this RRR project consisting of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as adding bicycle keyholes along SR 44. The existing pavement must be widened to accommodate the bicycle keyholes at the right turn lanes along the roadway.

SR 535 (Kissimmee-Vineland Road) RRR Improvements from North of Lake Bryan Beach Blvd (MP 1.304) to Lake Bryan Dr (MP 2.135), Orange County – FDOT District 5

Project Manager and EOR for this RRR improvements on 0.831 miles of this six-lane, divided, urban facility in unincorporated Orange County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate bicycle lane/shared lanes in both directions by reducing the existing lane widths using pavement markings. Additional improvements include converting four existing intersections into RCUT intersections, updating pedestrian ramps and signal features to comply with ADA standards, sidewalk improvements, and relocating/replacing the existing signage impacted by the proposed improvements.

SR 530/US 92/W Irlo Bronson Memorial Highway from SR 417 (MP 6.678) to Bamboo Lane (MP 9.967), Osceola County – FDOT District 5

Project Manager and EOR for this project consisting of resurfacing, restoration, and rehabilitation to SR 530/US 192/US 92/US 17/W Irlo Bronson Memorial Highway. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate buffered bicycle lanes in both directions by reducing lane widths through the use of pavement markings. The improvements also include adding a left turn lane at International Drive (MP 6.928), adding a five-foot shoulder along eastbound from MP 6.678 to MP 6.672, minor drainage improvements, updating pedestrian ramps and signal features to comply with ADA standards, as well as sidewalk improvements, and relocating or replacing existing signage impacted by the proposed improvements.

Mr. Brown is a civil engineer with more than 12 years of experience in roadway projects. He has served various districts within the Florida Department of Transportation, Florida's Turnpike Enterprise, California Department of Transportation, San Diego Association of Governments, the City of Las Vegas, Martin County and the City of Port St Lucie. His project experience includes roadway design, signing and pavement marking, ITS, maintenance of traffic, drainage design, 3D Corridor Modeling, plans production, utilities coordination, pavement design, signalization, ADA enhancements, roundabout design, engineer's estimates, and project scheduling. Mr. Brown is a project manager and lead roadway design engineer, and ensures his team diligently adhere to guidelines and rules of the FDOT Standard Plans Manual and the FDOT Design Manual.

EDUCATION

University of Florida, 2011
Bachelor of Science (B.S.) in Civil Engineering

REGISTRATION

Registered Professional Engineer: Florida PE
#82232 01/11/2017 – 02/28/2027

CERTIFICATIONS/TRAINING

Interconnected Pond and Channel Routing
Modeling (ICPR4) Hands-On Training, 2019
FDOT Local Agency Program Training, 2018
Temporary Traffic Control Advanced Course,
2018

PROJECT EXPERIENCE

**The following project experience is prior to
Propel Engineering, LLC**

LTC Ranch - Wylder Parkway Roadway Design - St Lucie County, Florida

Project engineer responsible for the design of a 4-lane urban roadway which will connect Midway Parkway to Glades Cut-Off Road. This roadway will be the backbone for all new communities built along the corridor. This project included two new roundabouts, underground drainage and utilities, signing and

pavement markings and traffic control design. Mr. Brown was also responsible for obtaining permits from St Lucie County, City of Port St Lucie Public Works and Utility System departments, Florida Department of Health and South Florida Water Management District.

Becker Road - Phase III Roadway Design - City of Port St Lucie

Project engineer responsible for the design of three roundabouts and sidewalks, signing and pavement marking design, drainage analysis and reports, temporary traffic control design and the obtaining permits from South Florida Water Management District, City of Port St Lucie and St Lucie County. This project included roundabouts providing an entrance to Veranda Preserve East, Veranda estates and Veranda Oaks, and traffic flow improvements at the intersection of Becker Road and Gilson. Sidewalks were also added to provide safe pedestrian and bike options for the new residences of the adjacent community.

Salerno Road Sidewalk Design - Martin County

Responsible for the design of sidewalks, signing and pavement marking design, drainage analysis and reports, profiles and cross sections design, temporary traffic control design, and obtaining permits from the South Florida Water Management District.

Torino & Cashmere Roundabout Design - Port St Lucie

Project Engineer responsible for the roadway roundabout design, lighting and landscaping subcontractor coordination, utility coordination, signing and pavement marking design, drainage design, and temporary traffic control design. This project was a part of the City's ½ cent infrastructure improvement tax and was done simultaneously with another intersection 1 mile away along the same roadway by another firm. Our teams worked closely together to ensure our roundabout design criteria were nearly identical and provided drivers with a similar driving experience.

CR 609 Guardrail Improvement Design - Martin County

Design Engineer responsible for the design of milling, resurface and Widening of roadway, , signing and pavement marking design, drainage analysis and reports, profiles and cross sections design, temporary traffic control design, and obtaining permits from the South Florida Water Management District.

Okeechobee Road (SR 25) from East of NW 87 Avenue to NW 79 Avenue Highway Design (FDOT District 6) - Miami-Dade County

Project engineer responsible for training project team, creating 3D corridor models and cross sections for all roadways. Services included widening the existing road to 4-lanes in each direction; widening the NW 79th Avenue Bridge over the Miami (C-6) Canal; intersection modifications at NW 95th Street and Frontage Road; relocation of an existing BJ's Wholesale Club entrance and addition of a new free-flow right-turn lane; and new access from the Frontage Road to westbound Okeechobee Road. The project team was responsible for all permitting; structural design; drainage design; signing and marking; signalization; lighting

design; ITS system design and landscaping along the corridor.

Florida's Turnpike Mainline Widening PD&E Study and Design, Boynton Beach to Lake Worth Highway Design - Palm Beach County

Design engineer responsible for horizontal and vertical alignment analysis and design, superelevation design, canal relocation design, drainage spread calculations, ramp terminal details, 3D corridor modeling, cross section, special profile design, ITS design, MOT design, design variation packages and plan production. Project team originally performed a PD&E study from north of Boynton Beach Boulevard to south of Lake Worth Road in Palm Beach County. Project team was responsible for preparing all engineering and environmental reports necessary to evaluate impacts for the proposed widening. This project included a public information meeting and a public hearing. After approval of the study, the project team was contracted to design the widening for this section and redesign the Lake Worth Road interchange. This project included 7.2 miles of reconstruction of existing four-lane to an 8-lane divided expressway with a new interchange and conversion of mainline barrier plaza into full 8-lane open road tolling (ORT) expressway, complete with ramp manual tolling. Services include roadway widening, bridge widening and replacements, 2,500-feet of a major Lake Worth Drainage District Canal relocation, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement marking, signalization, lighting, landscaping, ITS system relocation, utility adjustments, new sound barrier wall, and complex traffic control during construction.

Mr. Weydahl has over 40 years of experience on highway-related engineering projects, mainly in South Florida. Sven was the Project Manager, Lead Designer and Engineer of Record (EOR) for various major transportation projects for different agencies.

EDUCATION

Bachelor of Science in Civil Engineering,
Oregon State University, Corvallis, OR, 1965

REGISTRATION

Professional Engineer #38869, FL

PROJECT EXPERIENCE

SR 15/US 441/US 98 RRR Improvements from S of Morgan Rd (MP 6.840) to S of Shirley Dr (MP 8.910), Palm Beach County – FDOT District 4

Responsible for Quality Control for this RRR improvement project on 2.25 miles of this two-lane, two-way, undivided, rural facility in Palm Beach County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on existing conditions and reflectivity to comply with current standards.

SR 15/SR 552 Signal Reconstruction, Orange County – FDOT District 5

Responsible for Quality Control of this project consisting of replacing of the existing strain pole traffic signal with a mast arm system, and improvement in the traffic operations at the intersection of SR 15 (Conway Rd) and SR 552 (Curry Ford Rd), located in Orlando, Orange County. The project begins 84-ft of south of the intersection and ends 63-ft north of the intersection.

SR 530/US 92/W Irlo Bronson Memorial Highway from SR 417 (MP 6.678) to Bamboo Lane (MP 9.967), Osceola County – FDOT District 5

Responsible for Quality Control on this project consisting of resurfacing, restoration, and rehabilitation to SR 530/US 192/US 92/US 17/W Irlo Bronson Memorial Highway. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate buffered bicycle lanes in both directions by reducing lane widths through the use of pavement markings. The improvements also include adding a left turn lane at International Drive (MP 6.928), adding a five-foot shoulder along eastbound from MP 6.678 to MP 6.672, minor drainage improvements, updating pedestrian ramps and signal features to comply with ADA standards, as well as sidewalk improvements, and relocating or replacing existing signage impacted by the proposed improvements.

Resurface Mainline & Roadside Improvements for Turnpike Mainline from MM 153.23 to MM 169.32, St. Lucie County – Florida Turnpike Enterprise (FTE)

Responsible for Quality Control for cross slope correction and pavement design. This project consists of resurfacing and safety improvements for the Florida's Turnpike Mainline (SR 91) in St. Lucie County from MM 153.230 to MM 169.320 for a total length of 16.090 miles. The main objective of the project is to extend the life of the existing pavement through milling and resurfacing of the existing northbound and southbound travel lanes, inside and outside shoulders, and the paved median openings.

HEFT Bridge Painting for SR 821 SB Ramp A Over US 1, Bridge No. 870191 – Florida Turnpike Enterprise (FTE)

Responsible for Quality Control on this project consisting of repainting the structural steel components, and recoating the concrete surfaces of the bridges and adjacent walls located on the SR 821 (Homestead Extension of Florida's Turnpike (HEFT)) in Miami-Dade County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

Paint Bridges in Orange and Osceola County, Bridge Numbers 750604, 750605, 750607, 750608, and 750551 – Florida Turnpike Enterprise (FTE)

Responsible for Quality Control on this project consisting of repainting the structural steel components, and recoating the concrete surfaces of the bridges and adjacent walls located on or over the SR 429 (Florida's Turnpike) in Orange County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

Paint Bridges in Seminole County, Bridge Numbers 770602, 770603, 770604, 770614, and 770615 – Florida Turnpike Enterprise (FTE)

Responsible for Quality Control on this project consisting of repainting the structural steel components, and recoating the concrete surfaces of the bridges and adjacent walls located on or over the SR 417 (Florida's Turnpike) in Seminole County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

HEFT Bridge Painting for SR 821 SB Ramp A Over SR 874, Bridge No. 870407 – Florida Turnpike Enterprise (FTE)

Responsible for Quality Control on this project consisting of repainting the structural steel components of the bridge along the SR 821 (Homestead Extension of Florida's Turnpike (HEFT)) in Miami-Dade County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

Emergency Evacuation Northbound Shoulder – Florida Turnpike Enterprise (FTE)

Responsible for Quality Control on this project consisting of updating the Emergency Evacuation Northbound Shoulder Study and Emergency Shoulder Use (ESU) Deployment Plans to be used for the 2020 and 2021 hurricane seasons. The project also involved preparation of signing plans for the permanent construction of flip signs.

Districtwide Miscellaneous Design Services – Florida Turnpike Enterprise

Mr. Weydahl was responsible for the Quality Control review for this Task Work Order contract acting as an extension of Florida Turnpike Enterprise (FTE) Staff. This TWO includes fence replacement and several bridge painting projects.

Ms. Shuvo, a Project Engineer with ten years of engineering experience, performs routine engineering assignments such as: designing horizontal and vertical geometry, research and compiling data, utilizing applied software to perform engineering analysis, preparing of reports, completing design calculations, preparing quantity takeoffs and estimates, and assisting in the preparation of engineering plans utilizing CADD software. She also has drainage design experience using ASAD and ICPR as well as signalization and lighting design.

EDUCATION

Master of Science in Civil Engineering, Florida International University (FIU), Florida, 2008

Bachelor of Science in Civil Engineering, Bangladesh University of Engineering & Technology, (BUET), Bangladesh, 2004

REGISTRATION

Professional Engineer #92997, FL

CERTIFICATIONS/TRAINING

Certified, Advanced Work Zone Traffic Control, 2021

Training, FDOT, Specifications Package Preparation, 2016

PROJECT EXPERIENCE

I-95 and Spanish River Boulevard Interchange, Palm Beach County – FDOT District 4

Engineer Intern responsible for assisting in the design for the drainage modifications of Segments 4 and 5. This task was part of the on-going design build project at the I-95 Spanish River Blvd Interchange in Boca Raton, FL. This project included the construction a new two-level interchange, modification of the existing Yamato Road and I-95 interchange, addition of auxiliary lanes from Glades Road to Congress Avenue on I-95 and cross street improvements of Spanish River Blvd. and Yamato Road. This two-level interchange includes coordination with FAA, Boca Airport, City of Boca Raton, and Florida Atlantic University (FAU). This improvement will provide connectivity between

FAU, Tri-Rail and I-95 and alleviate daily congestion as well as accommodate traffic generated during events held at the FAU stadium.

SR 15/US 441/US 98 RRR Improvements from S of Morgan Rd (MP 6.840) to S of Shirley Dr (MP 8.910), Palm Beach County – FDOT District 4

Project Engineer for this RRR improvements on 2.25 miles of this two-lane, two-way, undivided, rural facility in Palm Beach County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on condition and reflectivity to comply with current standards.

SR 973/SW 87 Avenue from SW 14 Street to north of SW 4 Street, Miami-Dade County – FDOT District 6

Engineer Intern responsible for plan production of this safety improvement project in Miami-Dade County. The project consists of the design of Safety Improvements along SR 973/SW 87th Avenue from SW 14th Street (MP 7.651) to north of SW 4th Street (MP 8.341). The major scope of this safety project includes the modification of the full median openings at SW 12th Street and SW 4th Street to bi-directional and semi-directional openings. The project also includes the correction of the tapers at various left turn lanes within the project limits.

SR 5/US 1/Overseas Highway from the Ohio-Bahia Honda Channel (MM 38.647) to the south end of the Seven Mile Bridge (MM 39.993), Monroe County – FDOT District 6

Engineer Intern responsible for plan production of this RRR project in Monroe County. The project consists of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as general highway safety enhancements. The project also includes widening to provide bicycle lane

keyholes (5' wide) adjacent to the 11' wide right turn lanes into the Sunshine Key RV Park at Ohio Key, the Boat Ramp Parking lot at Little Duck key, and Veterans Memorial Park. The right turn lane at Veterans Memorial Park will also be extended to provide more deceleration length.

SR 406 from West of Forrell Ave N to Washington Ave (SR-5 N), Brevard County – FDOT District 5

Engineering Intern for this RRR project consisting of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as general highway safety enhancements. The project also includes restriping to provide a bicycle lane as well as adding missing sidewalk.

Reconstruction of Oslo Road/CR 606 from East of SR 9/I-95 to SW 58th Avenue, Indian River County – FDOT District 4

Responsible for pavement design for this capacity improvement project in City of Vero Beach. The project entails the widening of Oslo Road from a two-lane undivided roadway to a four-lane, divided, suburban roadway. The project limits extend approximately 3 miles from east of SR 9/I-95 (MP 0.280) to SW 58th Avenue (CR 606) (MP 3.013).

Continuing Services Contract Roadway Design 005 – FDOT District 5

Project Engineer for this Task Work Order contract consisting resurfacing and signal replacement projects.

Districtwide Miscellaneous Design Services – Florida Turnpike Enterprise

Project Engineer for this Task Work Order contract acting as an extension of Florida Turnpike Enterprise (FTE) Staff. This TWO includes fence replacement and several bridge painting projects.

Resurface Mainline & Roadside Improvements for Turnpike Mainline from MM 153.23 to MM 169.32, St. Lucie County – Florida Turnpike Enterprise (FTE)

Responsible for pavement design and quantity takeoff. This project consists of resurfacing and safety improvements for the Florida's Turnpike Mainline (SR 91) in St. Lucie County from MM 153.230 to MM 169.320 for a total length of 16.090 miles. The main objective of the project is to extend the life of the existing pavement through milling and resurfacing of the existing northbound and southbound travel lanes, inside and outside shoulders, and the paved median openings.

Broward Mobility Hollywood - 14th Ave. from Atlantic Shores Blvd to Sheridan St, Broward County – FDOT District 4

Responsible for plan production, drainage design, and pavement design. This is a federally funded, Broward MPO driven, off-system project to improve mobility within Broward County. This project has two main corridors with various segments that are not contiguous. The first segment generally runs along NE 14th Ave, S 14th Ave, and N 14th Ave in the Cities of Hallandale Beach and Hollywood, between Atlantic Shores Blvd and Sheridan St. The second segment runs along Polk Ave from N 17th Ave to N 14th Ave. The main items included in the scope are the accommodation of bicyclists by providing bike lanes or shared lane markings (sharrows) along 14th Ave; and adding shared use paths along Polk St and 14th Ave.

SR 535 (Kissimmee-Vineland Road) RRR Improvements from North of Lake Bryan Beach Blvd (MP 1.304) to Lake Bryan Dr (MP 2.135), Orange County – FDOT District 5

Project Engineer for this RRR improvements on 0.831 miles of this six-lane, divided, urban facility in unincorporated Orange County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate bicycle lane/shared lanes in both directions by reducing the existing lane widths using pavement markings. Additional improvements include updating pedestrian ramps and signal features to comply with ADA standards, sidewalk improvements, and relocating/replacing of existing signage impacted by the proposed improvements.

SR 44 from 2500' West of CR 437 (MP 7.758) to Volusia County Line (MP 23.830), Lake County – FDOT District 5

Project Engineer for this RRR project consisting of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as adding bicycle keyholes along SR 44. The existing pavement must be widened to accommodate the bicycle keyholes at the right turn lanes along the roadway.

Mr. Ahmed is a Project Engineer with nine years of experience in design and management of resurfacing, safety, lighting, and signal improvements projects. He is performing routine engineering assignments such as researching and compiling data, utilizing applied software to perform engineering analysis, preparation of reports, completing design calculations, preparing quantity takeoffs and estimates, and preparing of engineering plans utilizing CAD software. Istiak has working experience with ORD, MicroStation, AutoCAD, Microsoft Office, HCM 2000, and VISSIM (Version 6.0 & 7.0), CORSIM, TRANSIMS, CUBE, TP+, STEAM, MOVES.

EDUCATION

Master of Science in Civil Engineering, Virginia Polytechnic Institute and State University (Virginia Tech), Virginia, 2015

Bachelor of Science in Civil Engineering, Bangladesh University of Engineering & Technology (BUET), Bangladesh, 2012

REGISTRATION

Professional Engineer #93114, FL

Professional Transportation Operations Engineer #5788

Roadway Safety Professional (RSP₁)

CERTIFICATIONS/TRAINING

Smart Road Safety Training, Virginia Tech Transportation Institute (VTI), October 2015
Training, FDOT, Specifications Package Preparation, 2023
Certified, Advanced Work Zone Traffic Control, 2020

MEMBERSHIPS

American Society of Civil Engineers (ASCE)
Institute of Transportation Engineers (ITE)
Alliance of Transportation Engineering Students (ATES)
Institute for Operations Research and the Management Sciences (INFORMS)
American Railway Engineering and

Maintenance-of-Way Association (AREMA)
Engineers without Borders USA (EWB)
Society of Asian Scientists and Engineers (SASE)

PROJECT EXPERIENCE

SR 15 from N of 1st St to Palm Beach/Martin CL, Palm Beach County – FDOT District 4

Deputy PM/Lead Engineer for this RRR improvement project on 6.636 miles of this two-lane, two-way, undivided, rural facility in Palm Beach County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on existing conditions and reflectivity to comply with current standards.

SR 50 at Highland Ave Signal Rebuild Orange County – FDOT 5

Deputy PM/Lead Engineer/Task Leader for this project consists of the reconstruction of the traffic signal with mast arms, and improvements to the traffic operations at the intersection of SR 50 and Highland Avenue. This project is in central Orange County northeast of the City of Orlando downtown core area in the Park Lake/Highland neighborhoods and within the Orlando Urban Area boundary. The intersection is also within the City of Orlando Main Streets "Mills 50" District.

SR 50 at Fern Creek Ave and Primrose Drive Signal Rebuilds Orange County – FDOT 5

Deputy PM/Lead Engineer/Task Leader for this project consists of the reconstruction of the traffic signal with mast arms, and improvements to the traffic operations at the intersection of SR 50 Fern Creek Ave and Primrose Dr. This project is in central Orange County northeast of the City of Orlando downtown core area in the Park Lake/Highland neighborhoods and within the

Orlando Urban Area boundary. The intersection is also within the City of Orlando Main Streets "Mills 50" District

SR 35 (US 17) from 9th St NW to N of Oak Hammock Loop, Polk County – FDOT District 1

Deputy PM/Lead Engineer for this 7.626 miles RRR improvements on this four-lane, two-way divided rural facility in Polk County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of the existing travel lanes, guardrail replacement, pedestrian signal improvements, pedestrian retrofit lighting, and minor access management upgrades. Pavement markings will be replaced to meet current standards.

SR 15 from Palm Beach/Martin CL to Martin/Okeechobee CL, Martin County – FDOT District 4

Project Engineer for this RRR improvement project on 12.333 miles of this two-lane, two-way, undivided, rural facility in Martin County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on existing conditions and reflectivity to comply with current standards.

SR 15 from S of Morgan Rd (MP 6.840) to S of Shirley Dr (MP 8.910), Palm Beach County – FDOT District 4

Project Engineer for this RRR improvements on 2.25 miles of this two-lane, two-way, undivided, rural facility in Palm Beach County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on condition and reflectivity to comply with current standards.

Boynton Beach Various Locations, Palm Beach County – FDOT District 4

Lead Engineer for this federally funded, MPO driven, on and off-system project to improve mobility along Boynton Beach Blvd. This project has two main corridors with various segments. The first segment runs along Boynton Beach Blvd, the existing travel lanes width will be reduced to provide an 11' and 10' travel lane in each direction with sharrows and an 11' and 15' shared use path. This segment also includes decorative lighting along the

corridor. The second segment runs along NE 3rd St, Boynton Beach Blvd, and Ocean Ave providing sharrows. The main items included in the scope are the accommodation of bicyclists.

Broward Mobility Hollywood - 14th Ave. from Atlantic Shores Blvd to Sheridan St, Broward County – FDOT District 4

Project Engineer for this is a federally funded, Broward MPO driven, off-system project to improve mobility within Broward County. This project has two main corridors with various segments that are not contiguous. The first segment generally runs along NE 14th Ave, S 14th Ave, and N 14th Ave in the Cities of Hallandale Beach and Hollywood, between Atlantic Shores Blvd and Sheridan St. The second segment runs along Polk Ave from N 17th Ave to N 14th Ave. The main items included in the scope are the accommodation of bicyclists by providing bike lanes or shared lane markings (sharrows) along 14th Ave; and adding shared use paths along Polk St and 14th Ave.

SR 732/Jensen Beach Blvd. RRR, Martin County, FL – FDOT District 4

Project Engineer for this project including milling and resurfacing the existing roadway, widening to provide bike facilities where feasible, ADA improvements, signing and pavement marking improvements, replacing the existing span wire signals at US 1 with a mast arm signal system, miscellaneous signal improvements at other signalized intersections, and intersection lighting.

SR 15/SR 552 Signal Reconstruction, Orange County – FDOT District 5

Project Engineer/Task Leader for the replacement of the existing strain pole traffic signal with a mast arm system, and improvements to the traffic operations at the intersection of SR 15 (Conway Rd) and SR 552 (Curry Ford Rd), located in Orlando, Orange County.

Mr. Rasheduzzaman is an accomplished engineer with more than 20 years of professional experience. He is experienced in river basin and river hydraulics, river flow modeling (1D/2D), flood plain and flood management modeling, sediment transport and erosion control, ecosystem restoration and dry season flow augmentation. Hydraulic design of roadway, bridge, culvert, and fish pass. Storm sewer collection systems, storm water treatment facilities and roadways for public and private clients, roadway drainage design, roadway projects that required permitting for paving, drainage, water, and sewer systems. Land development, earthwork calculation and estimation. Preparation of contract documents, specifications, quantities, and cost estimates. Trained project scheduling and controlling with Primavera P6. He is serving Miami-Dade County as an in-house consultant.

Proficient in AutoCAD, Microstation, CIVIL 3D, HEC-RAS 1D/2D, HEC-HMS, HYDRO_AS- 2D, SMS, SWMM, ArcGIS & ArcView, Primavera P6 & Microsoft Project, PYTHON and MATLAB.

EDUCATION

University of Karlsruhe (TH now KIT), Karlsruhe,
Germany, September 2004
Master of Science (M.Sc.) in Resources
Engineering (Development of Land, Water
and Environment)

Bangladesh University of Engineering and
Technology (BUET), Dhaka, Bangladesh,
September 1998,
Bachelor of Science (B.Sc.) in Civil Engineering

REGISTRATION

Institution of Engineers, Bangladesh

CERTIFICATIONS/TRAINING

Numerical Modelling (1D/2D),
Geographical information System (GIS),
AutoCAD, Microstation, Civil 3D
Project Planning, Scheduling and Controlling
(Primavera P6)

PROJECT EXPERIENCE

In House Consultant

Stormwater Master Plan Update of Miami-Dade County, Florida

Serving as in-house GEC for Miami-Dade County and his primary responsibility is as Sr. Project Engineer for Stormwater Master Plan of various Hydraulic and Hydrological Basins as per the criteria developed by the Water Resources Division of the county. The goal of the project is to identify and solving drainage related water quantity/quality problems through updating the Stormwater Master Plan in the County's Stormwater Management system.

The Master Plan update includes the activities such as compilation of topographic, land use, hydraulic and hydrologic, water quality data for the basins. Review and update DTM, delineation basins map, Set-up, calibrate and verify hydraulic and hydrologic model, flood mapping and identifying flood risks area and water quality areas for present and future conditions, recommend strategies for reducing existing impacts, Evaluate effectiveness of control measures for flood and pollution control.

Melaleuca Lane and Jog Road Intersection Improvements - Palm Beach County

Sr. Project Engineer for this project consists of widening Jog Road to the west to provide a

northbound to eastbound right turn lane and to provide dual left turn lanes southbound to east bound. The project involves shifting the existing roadway west to avoid right of way acquisition and replacing the existing strain pole signalization system with mast arms.

The following project experiences are prior to Propel Engineering, LLC

Flood Control improvement project, city of Engen, Baden-Wuerttemberg

Project Engineer for this project where Prepared Flood Hazards Maps and performed planning and Design of Flood control measures for the Engen city Improvement Project in Engen, Baden-Wuerttemberg. It involved i) Flood Hazards Mapping of the city and its surrounding areas, ii) a comprehensive analysis of existing flood control system in the areas where improvements need to be taken place, and iii) Planning and Design of Flood control measures. Flood Control Measures includes increasing the river navigability by widening the river Geometry, increasing the height and extension of existing of Flood control Embankments and partly replacement of small culverts by a bigger one.

Widening and Expansion of German State Highway (B462) at Bad Rotenfels, Gaggenau, Baden-Wuerttemberg

Project Engineer for this project that proposed roadway widening and expansion to be built in the natural floodplain areas of Traischbach and Murg river basin. To optimize the roadway elevation and provided with measures to mitigate the flood effects, the measures include widening of Traischbach riverbed, widening of Roadway culvert on Traischbach, and building a small dam along Traischbac-Murg river, have been studied using 2D hydraulic models.

Preliminary design of bridges/culverts of proposed high speed railway line between Karlsruhe, Germany and Basel, Switzerland

Project Engineer for this project that proposed high speed train route of German railway from Karlsruhe to Basel crosses numerous drainage ditches and watercourses (streams, rivers). Around 45 hydraulic structures (Bridges/culverts) need to be built on the proposed railway route. Design of the hydraulic structures (Bridges/culverts) with the required hydraulic evidence and identify and estimate the impact of the planned railway route on the flood situation according to German water laws of section 78 & 78a WHG.

Rositsa river flood simulation in Sevlievo, Sofia, Bulgaria

Hydrolic Engineer for this project Funded by European Water Directive, aim of this project was to establish a 2D Flood simulation method and Flood hazards mapping of Rositsa river for the ministry of water resources, Bulgaria. Based on the intensive field survey (river cross-sections, Bridges /Culverts) and Digital Elevation Modell Data, A 2D Model setup, simulation, create Flood Hazards mapping. The know-how was transferred through a training workshop along with a project report.

Mr. Khan, a Senior Designer with sixteen years of experience in roadway projects involving design, production and field inspections. He is performing routine engineering assignments that involve research and collating data as well as applying software's to perform engineering analysis, roadway design, lane closure analysis, developing maintenance of traffic (MOT) phases, formulating preliminary quantity reports and cost estimates and preparing quality control reports. Khan has working experience with ORD, MicroStation, Sorm CADD-ASAD, Cascade, Guide sign Design, Microsoft Office, and Auto Turn.

EDUCATION

Bachelor of Science in Civil Engineering
Bangladesh University of Engineering &
Technology, Bangladesh, 1998

REGISTRATION

Engineer in Training #36139, Tx

CERTIFICATIONS/TRAINING

Advanced FDOT MOT

Open Road Designer 3D

PROJECT EXPERIENCE

The following project experience occurred prior to Propel Engineering, LLC

SW 40th Avenue from Stirling Road (MP 1.010) to Griffin Road (MP 2.110), Broward County– FDOT District 4

This project consists of adding four (4) foot bicycle lanes with two (2) foot buffer and sidewalks along both sides of SW 40th Avenue. Additional improvements include incidental milling and resurfacing for the purpose of re-striping and drainage resulting from the impacts of widening. Performed Corridor modeling, utility modeling, plan production of roadway and signing and pavement markings plan. Managing sub-consultant activities, i.e., CAP, SUE, signal design, structural analyses, etc.

Propel Engineering, LLC

SR 40 from US 441 (Pine Ave) to SE 8th Ave, Marion County – FDOT 5

Project Engineer for SR 40 Downtown Ocala Pedestrian Improvements from Pine Avenue (US 441) to SE 8th Avenue including reducing lane widths, increasing median width and/or raised medians for pedestrian refuge and constructing wider sidewalks, milling & resurfacing, widening, Signing & pavement marking, and channelization

Palm Drive, Intersection Improvements – FDOT District 6

Project Engineer for this project that involves intersection improvements at two locations along SR 9336 (Palm Drive). One is at Krome Ave. and the other is at US-1. Scope includes widening, adding turn lane, mill & resurfacing, signing & pavement marking, Lighting, and Signalization. Served as a design team member.

Lyons Road/ Sansbury's Way (separated bike lanes) from Forest Hill Blvd to Okeechobee Blvd.) – FDOT District 4 & Palm Beach County

Project length is around 3 miles. Scope includes milling & resurface, widening, Providing raised concrete bike lane separator, and reconfiguration of existing lane. Served as a Project Engineer.

Countywide Intersection Improvements Annual Services Palm Beach County, Florida

Project Engineer for this county-wide intersection improvement project. The scope of services varies with each site. Widening of existing roadway to add more lanes and to accommodate bike lanes are a major part of the intersection improvement. It includes modification of existing drainage systems, evaluation of existing pipes capacity, modification and design of swale systems, evaluation of receiving water bodies, i.e. flood routing analyses of existing lake systems that receive runoff from the roads, runoff spread calculations, utility conflict

resolutions with proposed drainage pipes / inlets, interaction with FDOT D4 at state roadways intersecting with county roads, signing and pavement marking, signal design.

Australian Avenue Drainage Improvements from Banyan Boulevard to 45th Street, Palm Beach County:

Project Engineer for this project that consists of reconstruction of existing 4 lane two way divided urban curb and gutter section. Length around 2 miles. Served as a project engineer. Developed master plan of the corridor, 3D modeling Exist & proposed, roadway profile, driveway profile and signing and pavement Marking plan.

North Lake BLVD (From Coconut Blvd to SR-7), Palm Beach County

Project Engineer for this project that is about 2.4 mile of Arterial roadway segment in palm beach county. Scope includes Widening the existing 4 lane section (where applicable) to 6-lanes divided Curb & Gutter Arterial, Milling & Resurfacing and overbuild.

Roadway Improvement (Flowing Well and Frank Huff Road), Brighton Seminole Indian Reservation, Glades County

Project Engineer for this project that consists of new construction of 2 lanes, two way roadway segment with flush shoulder. Project length around 2 miles. Developed master plan of the corridor, 3d modeling, roadway profile, driveway profile and signing and pavement marking plan.

Lyons Road From Lantana to Lake Worth Road, Palm Beach County

Project Engineer for this project that is about 1.25 miles of 4- lane divided arterial roadway segment with C&G in palm beach county. The scope of this project includes milling, resurfacing, widening, reconstruction, two culverts (72" RCP) on L-11 canal & L-10 canal, and couple of roundabouts.

Lyons Road From Lantana to Lake Worth Road, Palm Beach County

Project Engineer for a project about 2 miles of arterial roadway segment in Palm Beach County. The scope of this project includes reconstruction of four lane divided roadway, drainage design, bridge configuration, milling & resurfacing.

Central Boulevard from Indiantown Road to Church Street, Palm Beach County

Project Engineer for a project about one half of mile arterial roadway segment in Palm Beach County. The scope of this

project includes milling & resurfacing, widening and reconstruction of 2 lane roadway bridge on C-18 canal and signal modification at church street.

City Project Pembroke Rd Extension from SW 196th Ave to Dykes Rd (City of Miramar)

Project Engineer for this 2-mile roadway improvement project. The scope includes widening and reconstruction of the existing 2 lane roadway section of Pembroke Rd to 4-lane divided with either curb and gutter or flush shoulder with swales on both sides of the road. This project is joint work with Kimley-Horn. HSQ Group is responsible for drainage design. Performed exfiltration calculation, spread calculation and pipe size calculation.

Mr. Hammadu, an Engineering Technician with eight years of experience, performs routine engineering assignments such as researching and compiling data, utilizing applied software to perform engineering analysis, assisting in the preparation of reports, completing preliminary design calculations, preparing quantity takeoffs and estimates, and assisting in the preparation of engineering plans utilizing CAD software. He also has experience in structural design and construction management. Isa has working experience with AutoCAD, MicroStation, Microsoft Office, VISSIM (Version 7.0), AIMSUM, MATLAB, KENPAVE, Staad Pro, Primavera P6, ArcGIS & SYNCHRO

EDUCATION

Master of Science in Civil Engineering, Florida Atlantic University, Boca Raton, Florida, 2018

Bachelor of Science in Civil Engineering, University of East London, United Kingdom, 2016

CERTIFICATIONS/TRAINING

Training, FDOT, Specifications Package Preparation, 2020

Training, FDOT, LRE Preparation, 2020

Training, Six Sigma Synergy, AUTOCAD 2D, 2015

Training, Six Sigma Synergy, STAAD PRO, 2015

PROJECT EXPERIENCE

Broward Mobility Hollywood - 14th Ave. from Atlantic Shores Blvd to Sheridan St, Broward County – FDOT District 4

Responsible for assisting in drainage transport and assisting in earthwork plan production for this mobility improvement project. This is a federally funded, Broward MPO driven, off-system project to improve mobility within Broward County. This project has two main corridors with various segments that are not contiguous. The main items included in the scope are the accommodation of bicyclists by providing bike lanes or shared lane markings (sharrows) along 14th Ave; and adding shared use paths along Polk St and 14th Ave.

SR 15 from N of 1st St to Palm Beach/Martin CL, Palm Beach County – FDOT District 4

Project Analyst for this RRR improvement project on 6.636 miles

of this two-lane, two-way, undivided, rural facility in Palm Beach County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on existing conditions and reflectivity to comply with current standards.

SR 15/US 441/US 98 RRR Improvements from S of Morgan Rd (MP 6.840) to S of Shirley Dr (MP 8.910), Palm Beach County – FDOT District 4

Responsible for assisting in Maintenance of Traffic design for RRR improvements on 2.070 miles of this two-lane, two-way, undivided, rural facility in Palm Beach County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on condition and reflectivity to comply with current standards.

SR 15 from Palm Beach/Martin CL to Martin/Okeechobee CL, Martin County – FDOT District 4

Project Analyst for this RRR improvement project on 12.333 miles of this two-lane, two-way, undivided, rural facility in Martin County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes, and to provide wider shoulders in both directions. Pavement markings will be replaced to meet current standards. Existing signs impacted by the proposed improvements will be relocated or replaced based on existing conditions and reflectivity to comply with current standards.

SR 535 (Kissimmee-Vineland Road) RRR Improvements from North of Lake Bryan Beach Blvd (MP 1.304) to Lake Bryan Dr (MP 2.135), Orange County – FDOT District 5

Project Analyst for this RRR improvements on 0.831 miles of

this six-lane, divided, urban facility in unincorporated Orange County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate bicycle lane/shared lanes in both directions by reducing the existing lane widths using pavement markings. Additional improvements include converting four existing intersections into RCUT intersections, updating pedestrian ramps and signal features to comply with ADA standards, sidewalk improvements, and relocating/replacing the existing signage impacted by the proposed improvements.

SR 44 RRR Improvement from NW 68TH Boulevard (MP 0.000) to End of Rural Section of I-75 (MP 8.005) Sumter County – FDOT District 5

Project Engineer for this RRR project consisting of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as general highway safety enhancements. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of existing travel lanes and shoulders in both directions, as well as necessary roadside improvements per current standards.

SR 15/SR 552 Signal Reconstruction, Orange County – FDOT District 5

Responsible for assisting in plan production for this the replacement of the existing strain pole traffic signal with a mast arm system, and improvements to the traffic operations at the intersection of SR 15 (Conway Rd) and SR 552 (Curry Ford Rd), located in Orlando, Orange County. The project begins 84-ft of south of the intersection and ends 63-ft north of the intersection.

SR 530 RRR Improvement from SR 417 (MP 6.678) to Bamboo Lane (MP 9.967) Osceola County – FDOT District 5

Responsible for Cost Estimate and assisting in Signing Pavement Marking design for this RRR improvements on 3.29 miles of six-lane divided urban facility in Osceola County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate buffered bicycle lanes in both directions by reducing lane widths through the use of pavement markings. The improvements also include constructing a 20-ft X 40-ft large drainage structure, updating pedestrian ramps and signal features to comply with ADA standards, as well as sidewalk improvements, and relocating or

replacing existing signage impacted by the proposed improvements.

Continuing Services Contract Roadway Design 005 – FDOT District 5

Project Engineer for this Task Work Order contract consisting resurfacing and signal replacement projects.

Districtwide Miscellaneous Design Services – Florida Turnpike Enterprise

Project Engineer for this Task Work Order contract acting as an extension of Florida Turnpike Enterprise (FTE) Staff. This TWO includes fence replacement and several bridge painting projects.

HEFT Bridge Painting for SR 821 SB Ramp A Over SR 874, Bridge No. 870407 – Florida Turnpike Enterprise (FTE)

Project Engineer and assistant Utility Coordinator for this project consists of repainting the structural steel components of the bridge along the SR 821 (Homestead Extension of Florida's Turnpike (HEFT)) in Miami-Dade County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

Emergency Evacuation Northbound Shoulder – Florida Turnpike Enterprise (FTE)

Project Engineer for this project consists of updating the Emergency Evacuation Northbound Shoulder Study and Emergency Shoulder Use (ESU) Deployment Plans to be used for the 2020 and 2021 hurricane seasons. The project also involved preparation of signing plans for the permanent construction of flip signs.

HEFT Bridge Painting for SR 821 SB Ramp A Over SR 874, Bridge No. 870407 – Florida Turnpike Enterprise (FTE)

Project Analyst for this project consisting of repainting the structural steel components of the bridge along the SR 821 (Homestead Extension of Florida's Turnpike (HEFT)) in Miami-Dade County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

Mr. Bhurgri, a Project Analyst with five years of experience performing routine engineering assignments that involve research and collating data as well as applying software to perform engineering analysis, roadway design, lane closure analysis, developing maintenance of traffic (MOT) phases, formulating preliminary quantity reports and cost estimates and preparing quality control reports. He has experience in construction engineering as a trainee engineer where his responsibilities involved structural drawings and project management. Ahmed is fluent in the usage of following software packages: AutoCAD, MicroStation, Microsoft Office, VISSIM (Version 7.0), AIMSUM, MATLAB, KENPAVE, ArcGIS & SYNCHRO.

EDUCATION

Master of Science in Civil Engineering, Florida Atlantic University, Boca Raton, Florida, 2018

Bachelor of Science in Civil Engineering, Mehran University of Engineering and Technology (MUET), Jamshoro, Pakistan, 2016

Certifications/ Training

Training, FDOT, Specifications Package Preparations, 2020

PROJECT EXPERIENCE

Districtwide Utility Consultant – FDOT District 4

Assistant Utility Coordinator for this task work order-based contract acting as an extension of FDOT D4. Mr. Bhurgri assisted in the scheduling, agency coordination and documentation for thirteen projects

Emergency Evacuation Northbound Shoulder – Florida Turnpike Enterprise (FTE)

Project Engineer for the updated Emergency Evacuation Northbound Shoulder Study and Emergency Shoulder Use (ESU) Deployment Plans to be used for the 2020 and 2021 hurricane seasons. The project also involved preparation of signing plans for the permanent construction of flip signs.

Resurface Mainline & Roadside Improvements for Turnpike Mainline from MM 153.23 to MM 169.32, St. Lucie County – FTE

Project Engineer for this project consisting of resurfacing and safety improvements for the Florida's Turnpike Mainline (SR 91) in St. Lucie County, from MM 153.230 to MM 169.320, for a total length of 16.090 miles. The main objective of the project is to extend the life of the existing pavement through milling and resurfacing of the existing northbound and southbound travel lanes, inside and outside shoulders, and the paved median openings.

Heft Bridge Repainting for SR 821 SB Ramp A Over US 1 Bridge NO. (870191) – FTE

Project Engineer and Assistant Utility Coordinator for this project consisting of repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on the SR 821 (Homestead Extension of Florida's Turnpike (HEFT)) in Miami-Dade County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

Districtwide Miscellaneous Design Services – FTE

Project Engineer for this Task Work Order based contract acting as an extension of Florida Turnpike Enterprise (FTE) Staff. This TWO includes fence replacement and several bridge painting projects.

Bridge Painting in Orange and Osceola County, Bridge Numbers 750604, 750605, 750607, 750608, 750546, and 750551 – Florida Turnpike Enterprise (FTE)

Project Engineer and Assistant Utility Coordinator for this project consisting of repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 429 (Florida's Turnpike) in Orange County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise bridge rehabilitation painting program.

Bridge Painting in Seminole County, Bridge Numbers 770602, 770603, 770604, 770614, and 770915 – Florida Turnpike Enterprise (FTE)

Project Engineer for this project consisting of repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 417 (Florida's Turnpike) in Seminole County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise bridge rehabilitation painting program.

HEFT Bridge Painting for SR 821 SB Ramp A Over SR 874, Bridge No. 870407 – Florida Turnpike Enterprise (FTE)

Project Engineer for this project consisting of repainting the structural steel components of the bridge along the SR 821 (Homestead Extension of Florida's Turnpike (HEFT)) in Miami-Dade County. The project is needed to prevent future corrosion of the structural steel as per Florida's Turnpike Enterprise (FTE) bridge rehabilitation painting program.

SR 535 (Kissimmee-Vineland Road) RRR Improvements from North of Lake Bryan Beach Blvd (MP 1.304) to Lake Bryan Dr (MP 2.135), Orange County – FDOT District 5

Project Engineer for this project consisting of RRR improvements on 0.831 miles of this six-lane, divided, urban facility in unincorporated Orange County. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate bicycle lane/shared lanes in both directions by reducing the existing lane widths using pavement markings. Additional improvements include updating pedestrian ramps and signal features to comply with ADA standards, sidewalk improvements, and relocating/replacing the existing signage impacted by the proposed improvements.

SR 530/US 92/W Irlo Bronson Memorial Highway from SR 417 (MP 6.678) to Bamboo Lane (MP 9.967), Osceola County – FDOT District 5

Project Engineer for this project consisting of resurfacing, restoration, and rehabilitation to SR 530/US 192/US 92/US 17/W Irlo Bronson Memorial Highway. The main objectives of the project are to extend the life of the existing pavement through milling and resurfacing of all travel lanes and auxiliary lanes, and to accommodate buffered bicycle lanes in both directions by reducing lane widths through the use of pavement markings. The improvements also include adding a left turn lane at International Drive (MP 6.928), adding a five-foot shoulder along eastbound from MP 6.678 to MP 6.672, minor drainage improvements, updating pedestrian ramps and signal features to comply with ADA standards, as well as sidewalk improvements, and relocating or replacing existing signage impacted by the proposed improvements.



Years of Experience

41

Education

BSCE, Memphis State University, Memphis, Tennessee, 1984

Certifications

Registered Professional Engineer: Florida PE #44674
08/23/1991 – 02/28/2027

Key Expertise

Project Management
Peer Review
Roadway & Intersection Design
Signalization Design
Highway & Intersection Lighting Design
MOT Traffic Design
ITS Planning & Design
Roadway & Intersection Safety Studies
Construction Cost Estimates

Memberships

Institute of Transportation Engineers (Fellow Member)
American Society of Highway Engineers (Member)

ROBERT W. FULP, PE Senior Traffic Engineer/Planner



Robert has over 40 years of professional experience as a diversified transportation engineer and planner, including over 30 years as a project manager. His range of expertise includes civil/site design, roadway and intersection design, signals and signing and pavement marking designs, highway and intersection lighting design, maintenance of traffic design (MOT), intelligent transportation systems (ITS) planning and design, construction cost estimates, project specifications, traffic impact analyses, transportation concurrency analyses, roadway and intersection safety studies, traffic signal timing evaluations, access management analyses, traffic signal warrant analyses, traffic modeling, parking studies, Project Development & Environmental (PD&E) studies, Developments of Regional Impact (DRI) studies, presentations to City Councils and Board of County Commissioners, and expert witness testimony. Robert utilizes his wealth of industry knowledge to mentor junior engineers, co-manage the new-hire technical training program, and conduct peer reviews across all TMC offices.

Relevant Project Experience

Intersection Signalization

State of Florida

Senior Traffic Engineer and Project Manager

Designed over one hundred signalized intersections throughout the state of Florida using concrete or steel strain poles with span-wire or steel poles and mast arms. Some representative projects include SR 676 (Causeway Boulevard) at US 41, Maydell Drive, 78th Street and US 301, in Hillsborough County, Florida; Keene Road at Gulf-to-Bay Boulevard, Drew Street, Sunset Point Road, Curlew Road and Tampa Road, in Pinellas County, Florida.

Design/Signal Warrant Studies/Safety Reviews

State of Florida

Senior Traffic Engineer and Project Manager

Del Prado Boulevard Signalization, Lee County: Prepared design plans for a 21-intersection signal system along Del Prado Boulevard in Cape Coral for Lee County Department of Transportation. Duties included traffic data collection and analysis, travel time and delay studies, inventory of existing signal equipment, arterial analysis, plans preparation, and field observation of signal timings.

Traffic Safety Studies for FDOT District 6: Prepared qualitative assessment reports documenting traffic safety concerns and recommendations for improvements to isolated intersections and corridors. The reports included statistical analysis of accident data, field reviews with regards to lane geometry, driveway access management, signal equipment inventories, local government coordination, cost estimates, and benefit to cost analysis. Some representative locations are SR 932 (NW 103rd Street) at East 4th Avenue in Hialeah, Florida and SR 112 at Pine Tree Drive in Miami Beach, Florida.

Tampa Bay Area: Prepared numerous traffic signal warrant analyses in accordance with the Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD). A representative study includes ABR Center (US 19 at Twin Lakes Drive) in Pinellas County.

Roadway Lighting Design

FDOT Districts 1, 4, 5, & 7

Project Manager

Florida Department of Transportation Districts 1, 4, 5 and 7: Evaluated existing lighting conditions and prepared roadway lighting plans for conventional, decorative and high-mast lighting. Some representative projects include: FDOT District 1 - SR 35 (Olympia Avenue) from US 41 (southbound) to Cooper Street within the City of Punta Gorda; FDOT District 7 - SR 574 (Dr. Martin Luther King, Jr. Boulevard) from east of I-4 to Laura Street in Hillsborough County.



ROBERT W. FULP, PE
Senior Traffic Engineer/Planner

Highway Engineering
Hillsborough County & Tampa Bay Area
Traffic Engineer and Project Manager

School Safety. Circulation and Access Program (SSCAP), Hillsborough County, Florida: This design/build project involved ingress and egress improvements to 21 high, middle and elementary schools within the County. Construction plans and specifications were prepared and included adding auxiliary turn lanes and traffic signals to eliminate the queue of traffic along County thoroughfares. Environmental permits through SWFWMD were required for all schools. Construction administrative services were provided to the contractor and included requests for information responses, shop drawing reviews and field inspections.

FDOT District-wide Resurfacing Projects, Tampa Bay Area: Prepared construction plans that include minor roadway and intersection improvements, review of pavement designs, minor drainage design, and maintenance of traffic, signalization and signing & pavement marking plans. Some representative projects include SR 585 (22nd Street) in Hillsborough County - milling and resurfacing 2.9 miles of roadway between the Crosstown Expressway and Hillsborough Avenue; SR 600 (Hillsborough Avenue) in Hillsborough County - milling and resurfacing 3.5 miles of road between Nebraska Avenue and 56th Street.

Transportation Planning Projects
State of Florida
Traffic Engineer and Project Manager

US 19 Access Management Study, Pasco County, Florida: Prepared an access management study for FDOT District 7 that considered approximately 20 miles of roadway. A total of 98 full access median openings were analyzed based on geometric conditions, crash history, traffic volumes and operational problems. The analysis considered how changes to the median openings (i.e., full to closed or full to bi-directional) affected adjacent land uses and traffic flows. Recommendations were prepared and presented to the appropriate governmental agencies.

Miscellaneous Developments of Regional Impact in the Tampa Bay Area: Prepared transportation analyses in accordance with Florida Statute 380.06, specifically Question 21, that deals with evaluating the regional traffic impacts that a large land development project would have on the community.

Summerfield Crossings NOPC, Hillsborough County Hearing Officer for Residential Traffic Calming (RTC) Program, Hillsborough County, Florida: Responsible for implementing Hillsborough County's RTC Program and conducting public hearings to determine if traffic calming measures should be implemented.

Traffic Impact Analyses
State of Florida
Traffic Engineer and Project Manager

Prepared numerous rezoning and concurrency traffic impact analyses associated with a variety of land development projects throughout the State of Florida. Since each local government has established its own analysis criterion as part of the land development process, no two traffic studies were the same. Furthermore, some governmental agencies are now requiring an estimated cost to mitigate the proposed improvements required in obtaining the adopted level of service. Representative traffic impact analyses include Summerfield Crossings Mixed-use Development located in the southeast quadrant of US 301 and Big Bend Road in Hillsborough County, Florida and the Mobil Gasoline Service Station along US 41 in Bonita Springs, Florida.

Fort Rucker Parking Studies
Daleville, Alabama
Project Engineer

Army Corp of Engineers. Fort Rucker Army Post, Daleville, Alabama: Prepared a Design Feasibility Study for improvements to the main entrance and community center. Duties involved traffic data collection, parking lot surveys, parking duration, turnover rates, and the preliminary design of the main entrance to the post and the new parking concept for the community center.



VIBHUTI PATEL, PE
Traffic Design Engineer



Years of Experience

12

Education

M.S.C.E., Transportation
Systems Engineering
University of Central Florida,
Orlando, Florida, 2013

B.S.C.E.
University of Pune, India, 2009

Certifications

Registered Professional
Engineer: Florida PE #94205
06/08/2022 – 02/28/2027

Key Expertise

FDOT Design Standards

MUTCD

Public Rights-of-Way
Accessibility Guidelines
(PROWAG)

Road Safety Audits

Signing and Pavement Plans

Traffic Operations

Pedestrian Safety and Traffic
Calming Studies

Public Engagement

Memberships

Institute of Transportation
Engineers (ITE)

Training

FDOT Intersection Control
Evaluation (ICE) Training, 2024

FSUTMS Executive Summary
Modeling Seminar, 2023

Project Traffic Forecast
Training, 2023 FDOT Access
Management Guidebook
Training, 2023

Ms. Patel is a Traffic Engineering Project Manager with 12 years of experience in both public and private sectors. In her tenure at Orange County, she held positions of increasing responsibility. She has managed numerous teams conducting safety projects that include signalization design, lane additions, road diets, median modifications, round-a-bouts, traffic calming construction, sidewalk, and bike lane installations. She proposed and managed design and construction of intersection improvement projects based on capacity and safety studies and analysis, prepared project concepts, and prioritized improvements. She was also part of the County's Vision Zero Team and was responsible for selecting and managing projects for this program. Additionally, she managed project budgets, multiple Capital Improvement Plan (CIP) budgets, invoicing and administrative budgets for the Traffic Engineering Division. Ms. Patel holds a master's degree in Transportation Engineering Systems and embraces change and the learning with which it accompanies. At TMC, Vibhuti leads the traffic design team in the Orlando office and provides peer review across all TMC branch locations.

Relevant Project Experience

Signal Design Review	2023 – 2024
Traffic Studies Group	2019 – 2024
Orange County, Florida	
Project Manager	

Reviewed and designed upgrades related to Cross-section changes as part of resurfacing projects. Designed and oversaw the construction of pedestrian improvements, including raised crosswalks, Leading Pedestrian Interval (LPI) implementation, signal modifications, and lighting upgrades. Conducted sidewalk scoring to assist Engineering in prioritization and performed crash data analysis as needed. Managed the signal design for all County signals making sure the reviews were completed in a timely manner, and that they adhere to County and State standards. Developed designs for these varied projects and trained engineers and technicians in all facets of traffic studies.

Managed the traffic studies team responsible for conducting Road Safety Audits, Pedestrian Safety Audits, Small Area Studies, and handling daily citizen requests, including public engagement, evaluation, technical report writing, and generating work orders for implementing traffic safety plans.

Development Review	2015 – 2018
City of Orlando and Orange County, Florida	2019 – 2022
Engineer II and Assistant Project Manager	

Conducted professional engineering evaluations of plans and specifications for construction projects, including streets, driveways, and parking facilities. Reviewed development plans from engineering consulting firms to ensure that construction adheres to City/County standards and follows proper engineering principles, methods, and techniques. Reviewed traffic studies, and traffic operation reports submitted by consultants, developers, and other agencies, and provided written feedback.

Village Lake Road Pedestrian Safety Study and Pedestrian Hybrid Beacon	2019 – 2023
Orange County, Florida	
Project Manager	

Evaluated the location for pedestrian crossing that involved data collection, observation, crash analysis, pedestrian attractors and generators, context classification, length of crossing etc. to determine the need for pedestrian crossing. The analysis indicated that most of the pedestrians were crossing the road later after normal day light due to the presence of park nearby. The study recommended the need for a pedestrian crossing with a treatment plan of Pedestrian Hybrid Beacon (PHB) due to the lengthy cross-section. Shortly after the analysis was completed, the design of the PHB, which was completed in 2023. The project is currently under construction.

VIBHUTI PATEL, PE
Traffic Design Engineer

Apopka Vineland Road and Wandering Way Signal Warrant Analysis
Orange County, Florida
Engineer III

2023 – 2024

Prepared a signal warrant analysis to address safety and operational concerns at the intersection of Apopka Vineland Road and Wandering Way located in west Orange County. Used two different methods to see if a signal would be justified at this intersection. Method 1 used the Current Site-Generated existing Traffic Volumes in accordance with the methods of the Manual on Uniform Traffic Control Devices (MUTCD) and the FDOT Manual of Uniform Traffic Studies (MUTS). Two of the nine warrants set forth in the MUTCD were applicable and a traffic signal control was recommended for the intersection as warrant 1 condition B and warrant 2 at 100% were met. Due to ongoing developments surrounding the area Method 2 used projected Site-Generated Traffic Volumes at Full Buildout Condition. ITE Trip Generation Manual was used to determine the Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use for the subject site for full build out conditions for the minor street approach i.e. Wandering Way. The highest eight-hour traffic volume that was generated by Wandering way was used to perform a signal warrant analysis. Analysis Results indicated by applying all the warrant criteria and data, it was determined that both the major and minor street vehicular traffic volumes meet the warrant criteria for the following warrants: Warrant 1 Eight-Hour Vehicular Volume – Condition A at 80% & Warrant 2 Four-Hour Vehicular Volume – 100%.

School Safety Evaluation/Implementation
Orange County, Florida
Project Manager

2023 – 2024

Was responsible for chairing the Student Pedestrian Safety Committee, including drafting an agenda, taking minutes, and coordinating with OCPS, OCSO, FDOT and municipalities on school/pedestrian safety issues. Attend OCPS/OC Joint Quarterly Meetings and OCPS Community Meetings when needed. Was responsible for the upgrades to multilane and single lane school zones throughout the County. Implementation of school zones when warranted based on the point system. Crossing guard placement. Development review and assistance to OCPS on traffic related issues including traffic controls and traffic calming Development of all related work orders, Purchase Order & Delivery orders request and tracking, including community meetings. Some of these projects include: The Pineloch Elementary Traffic Calming and Safe Route to School Plan, where a comprehensive analysis was performed for the area surrounding the school that fell within 2-mile walking radius. Developed safe route to school path and marked and signed the 2-mile walking areas to meet FDOT speed zoning standards within school areas. As part of evaluation, multiple locations were identified for traffic calming measures such as raised crosswalks, speed cushions, converting intersection to All Way Stop and school zone devices and all of them were installed on the roads for driver and pedestrian assistance. Another project was the Town Loop Boulevard & Huntwick Drive crosswalk analysis and design for a Z crossing with refuge for a crossing guard and a school zone for the middle school.

John Wycliff Boulevard Traffic Calming and Pedestrian Plan
Orange County, Florida
Project Manager

2023 – 2024

Prepared an analysis to evaluate the corridor of John Wycliff Blvd due to ongoing speeding issues. Prepared a plan to install raised crosswalks, rumble strips, Rectangular rapid flashing Beacons (RRFB) around areas where issues were identified. Additionally, developed a no-parking plan within the subdivision to ensure the smooth maneuverability of emergency vehicles.

Orange County Annual Count Program
Orange County, Florida
Project Manager

2019 – 2024

Managed the County's Annual Traffic and Pedestrian Count Program, which includes over 900 vehicular count locations and approximately 80 pedestrian count locations. Responsibilities encompassed evaluating new sites, expanding pedestrian and bike count locations, coordinating with transportation planning and GIS for data integration, managing contracts and consultants, and thoroughly reviewing all submitted data.



SAHAR ALSEIDI

Transportation Planning Specialist and Designer

Years of Experience

14

Education

Certification in Transportation
University of Central Florida,
Orlando, Florida, 2024

B.S. Architecture, Jordan
University of Science &
Technology, Jordan, 2004

A.S. Architecture, UNICEF –
Wadi Al Seer, Jordan, 1997

Certifications

Advanced Maintenance of
Traffic, AMOT #75015

Key Expertise

Intelligent Transportation
Systems (ITS)

Signalization Design Plans

AutoCAD

Signing & Pavement Marking

Microsoft Office

Data Collection CoreIDRAW

Training

GEOTECH Tools for FDOT
Connect and BOE Updates,
2021

FDOT Statewide Access
Management and
Transportation Site Impacts,
2019

FSUTMS Executive
Summary Modeling Seminar,
2023

CADD Certification, 2019

Ms. Alseidi is a transportation planning specialist and traffic designer with 14 years of experience in the field of transportation planning and traffic engineering. She began her experience in transportation as an office manager and field technician for a data collection firm, gaining a vast knowledge base for data collection methods, practices, and standards, as well as creating concept sketches, and validating traffic counts. While working for Traffic & Mobility Consultants LLC, Ms. Alseidi contributes to our talented transportation design team, participating in data collection for field visits and surveys, and preparing preliminary ITS, signalization and signing and pavement marking, maintenance of traffic (MOT) plans. Ms. Alseidi also has experience in the successful completion of numerous traffic impact analyses, access studies, and concurrency analyses,

Relevant Project Experience

North Hancock Road Widening Signal Design & Maintenance of Traffic Plans 2020 – 2024 **Lake County, Florida** **Traffic Analyst - Design**

Prepared signal design plans three intersections along the Hancock Road corridor. Prepared the Maintenance of Traffic (MOT) plans to safely manage traffic while the construction was underway. The plans were prepared on an appropriate scale and in accordance with Lake County and FDOT requirements. Construction of the road widening and the signals are in progress.

Turkey Lake Road Improvements ITS Interconnect Design 2022 – 2023 **Orange County, Florida** **Traffic Analyst - Design**

Prepare interconnect design plans from Turkey Lake Road and Sand Lake Road to two (2) signals along Turkey Lake. Each signal design included splicing activities to provide communication to the County's coordinated signal system and involved reconfiguration of existing cabinets and controllers to accommodate all CFL "SmartRoads" upgrades associated with this project.

Flamingo Crossings East & West Signalization Design 2018 – 2023 **Reedy Creek Improvement District (RCID), Florida** **Traffic Analyst - Design**

Prepared signal design plans for the intersections Hartzog Road and Sandpiper Landing Way, western Way and Rock Pigeon Loop and Western Way and Flagler Avenue in the RCID area of Orange County. The plans were prepared on an appropriate scale and in accordance with RCID, Orange County and FDOT requirements. Extensive coordination efforts were necessary to gain the approvals of all three jurisdictions. The signals were constructed and made fully operational in 2023.

7-Eleven Boggy Creek Road Signal Modification 2020 – 2022 **Osceola County, Florida** **Traffic Analyst - Design**

Prepared signal modification design plans for the intersection of Simpson Road and Boggy Creek Road to add a mast arm assembly serving the westbound approach. The plans were prepared on an appropriate scale and in accordance with County and FDOT requirements. The project is in the post-design phase. Construction of the signal is planned for 2024.

CR 535 & Equestrian Drive Signalization & ITS Interconnect Design 2020 – 2022 **Orange County, Florida** **Traffic Analyst - Design**

Prepared signal and Intelligent Transportation Systems (ITS) design plans for the intersection of CR 535 and Equestrian Drive/Royal Cypress Way. The plans were prepared on an appropriate scale and in accordance with County and FDOT requirements. The signal was fully operational in 2023.

SAHAR ALSEIDI

Transportation Planning Specialist and Designer

Pine Hills Road Improvements ITS Interconnect Design

2019 – 2021

Orange County, Florida

Traffic Analyst - Design

Provided ITS support for the conversion of strain pole assemblies to traffic mast arm assemblies at the intersections of Hernandes Drive, Silver Star Road, Indian Hill Road, and North Lane at Pine Hills Road in addition to the new full signal at Figwood Lane and Pine Hills Road and a pedestrian signal on Pine Hills Road north of Fir Drive. Each signal design included splicing activities to provide communication to the County's coordinated signal system and involved reconfiguration of existing cabinets and controllers to accommodate all CFL "SmartRoads" upgrades associated with this project.

CR 532 & Heritage Pass Road Signalization Design

2019 – 2021

Osceola County, Florida

Traffic Analyst - Design

Prepared signal plans to upgrade the intersection to signal control. Plans included pedestrian features and pedestrian signals, fiber interconnect to I-4 and CR 532 intersection west of new signal location and signing & pavement markings. The plans were prepared on an appropriate scale and in accordance with County and FDOT requirements. This signal has been fully constructed and is operational.

Oak Ridge Road Pedestrian Safety ITS Interconnect Design

2019 – 2021

Orange County, Florida

Traffic Analyst - Design

Prepared ITS design plans in support of signalization design plans for two pedestrian signals located on Oak Ridge Road. The interconnect design plans from Millenia Boulevard to John Young Parkway involved connecting into the existing system in consultation with Orange County. The plans were prepared on an appropriate scale and in accordance with County and FDOT requirements.

Alliance Residential

2018 – 2019

Seminole County, Florida

Traffic Analyst

The project consisted of assessing the current and projected conditions for a multi-use commercial development and residential community. Tasks included trip generation and projections, turn lane and access analyses, and an assessment of the project's impact on the surrounding transportation network.

Orange County Public School Site 82-H-N-7

2018

Orange County, Florida

Traffic Analyst

The project consisted of an analysis of the impacts of a proposed school site, and comparison of the trip generation for the current future land use and proposed land use, and an inventory of the surrounding transportation network.

Goodwill Store Alternative Impact Fee Monitoring Study

2017 – 2018

Orange County, Florida

Traffic Analyst

The project was undertaken on behalf of Orange County to assess the transportation impacts of an existing Goodwill Store. The project consisted of manual pedestrian counts and surveys, manual and video traffic counts, trip generation analysis and comparison to stand-alone stores and stores within a mixed-use shopping plaza.

Marshall Lake Subdivision

2017

Apopka, Florida

Traffic Analyst

The project consisted of assessing the current and projected conditions for the development of a 298-unit subdivision. Tasks included trip generation and projections, turn lane and access analyses, and an assessment of the project's impact on the surrounding transportation network.



BASSEL ELGAMAL, EI, MSCE, IMSA-I
Traffic Engineer



Years of Experience

14

Education

Master of Science in Civil Engineering - Transportation Engineering, University of Central Florida, 2022

Master of Engineering. Intelligent Transportation Systems, Nile University, 2010

Bachelor of Science in Civil Engineering, AAST, 2004

Certifications

Engineering Intern (EI), Florida Board of Professional Engineers, EI# 1100028597, 01/30/2025

International Municipal Signal Association Traffic Signal Technician I, IMSA-I 09/2024

Key Expertise

Project Management

Signal Timing Optimization/
Signal Timing Plans

Intelligent Transportation Systems (ITS)

Transportation/Microsimulation Modeling

Arterial Operations Analysis

Integrated Corridor Management

Training

IMSA Traffic Signal Technician I

Traffic Signal Timing Featuring Synchro & Tru-Traffic

Advanced Traffic Management System (ATMS)

Bassel is a Traffic Engineer with 14 years of experience. He holds masters degrees in Transportation Engineering and Intelligent Transportation Systems (ITS). His professional civil engineering background includes roadway engineering, traffic engineering, and project management for both public and private clients in domestic and international venues. He is an adept data scientist and has published numerous research papers in publications including the Transportation Research Record (TRR) and the ASCE Journal of Transportation Engineering. As a valued member of TMC's transportation engineering team, Bassel performs data analytics, traffic impact analyses, transportation modeling, and signal timing and coordination. His recent work involves myriad traffic engineering and signal timing projects for FDOT District 5 as an in-house consultant. Over the past five years, his work has been primarily focused on improving traffic operations and implementing signal retiming projects aimed at enhancing mobility and reducing delays across arterial networks.

Relevant Project Experience

**FDOT D5 RTMC
Sanford, Florida**

2022 – 2025

Traffic Operations Specialist/Traffic Analyst

Served as a Traffic Operation Specialist/Traffic Analyst with Prime Consultant firm Iteris, where he played a critical role in traffic management, signal timing, and corridor analysis.

As an Integrated Corridor Manager (ICM), he ensured smooth and safe traffic operations along major arterial corridors in the Florida Department of Transportation District Five, monitoring roadway conditions, analyzing traffic flow constraints, and coordinating with maintenance agencies. His responsibilities also included handling citizen complaints, conducting traffic studies, and optimizing arterial road signal timings.

In his role as an Arterial Analyst, he focused on analyzing travel time, congestion, safety trends, and delays, providing detailed reports and mitigation strategies. Additionally, as a Signal Timing Specialist, he conducted field reviews, developed optimized signal timing plans, and deployed advanced traffic monitoring systems to enhance traffic operations and reduce congestion.

**University of Central Florida
Orlando, Florida**

2020 – 2023

Graduate Research Assistant

During his graduate studies at UCF, Bassel played a key role in several FDOT-funded research projects focused on improving traffic operations and signalized intersection performance. His work included advanced statistical modeling, field data collection, and analysis aimed at optimizing traffic flow and enhancing safety. He conducted an in-depth study on how driver and pedestrian distractions impact operations at signalized intersections, quantifying the resulting increases in delays and congestion.

Bassel also led the evaluation of the Dynamic Flashing Yellow Arrow Decision Support System (DFYA-DSS) project. He analyzed its deployment across 24 intersections in different counties to demonstrate its effectiveness in reducing delays, improving left-turn operations, and enhancing safety. Additionally, he contributed to a driving simulator study evaluating driver response to safety messages on dynamic message signs, identifying message designs that improve comprehension and reaction time.


Aaron Wilbur, PLA

Project Landscape Architect, Project Manager, Partner, Co-President
16 Years of Experience | 10 Years Post-Registration
561.406.1011
E-Mail: AWilbur@Cotleur-Hearing.com
1934 Commerce Lane, Suite 1, Jupiter, FL 33458

Education	2010: University Of Florida; Bachelor of Landscape Architecture
Professional Experience	Mr. Wilbur began his career at Cottage Gardens Inc, a residential design-build firm located in Gainesville, Florida, in 2009. At Cottage Gardens, Mr. Wilbur functioned as project manager and lead designer. In March 2013, Mr. Wilbur joined the Cotleur & Hearing team and quickly transitioned to the firm's transportation division. Mr. Wilbur is an expert in a multitude of software, FDOT's standards and specifications, and all types of transportation landscape architecture projects, including both roadway component and standalone landscape projects. Mr. Wilbur brings the ability to quickly adapt to new types of projects and challenges. His many years of experience working on FDOT projects, including several In-House Support and Continuing Services contracts, have helped him develop expertise in FDOT project management as well as the digital delivery and phase submittal processes. He has successfully delivered numerous projects to FDOT on time and on budget. He is also an expert in the south Florida Nursery industry and has significant experience providing construction administration and post-design services, both of which lend to stronger design and plant selection abilities. In January 2019, Mr. Wilbur joined Principal Robert Cotleur as a Partner at the Firm providing continuity in management and ensuring the firm's future success. He currently functions as the contract and project manager for all projects within CH's Transportation Division.
Professional Affiliations	State of Florida Registered Landscape Architect #La6667229
Work History	2015 - Present: Registered Landscape Architect (2019: Partner, 2023: Transportation Manager), Cotleur & Hearing 2013 - 2015: Landscape Designer, Cotleur & Hearing 2009 - 2013: Lead Designer and Project Manager, Cottage Gardens
Notable Projects	<p><u>In-House Landscape Architecture Unit Consultant, FDOT District 4</u> Reference: Bann Williams, 954-777-4219 Mr. Wilbur worked as the Project Manager for the In-House Landscape Architecture Consultant Contract number C9053. His role included assisting with In-house Landscape Architectural tasks, as determined by the District Landscape Architect, such as the design of, and construction administration for, all in-house & push-button landscape projects, maintenance specification review, site inspections & assessments for various roadway & landscape projects, GIS updates of the FDOT GIS database, ODA coordination for violation notices & vegetation removal permits, maintenance agreement reviews, and the development, planning & execution of the D4 wildflower program.</p> <p><u>Continuing Services for Landscape Architecture Design, District Wide Contract – FDOT District 4</u> Reference: Kaylee Kildare, 954-777-4219 Mr. Wilbur is the Prime Consultant Contract and Project Manager for the CA239 and CAH36 Continuing Services Contracts. His responsibilities include management of all Task Work Orders assigned including project coordination with sub-consultants, FDOT project managers, and the District Landscape Architect, development of the Scope and Staff Hour Estimate documents, as well as production of Landscape, Irrigation, Tree Disposition, and Selective Clearing and Grubbing Plans for dependent and independent projects. Notable projects currently in various phases of construction or production include SR 9 at Fellsmere Rd (446040-1), SR 9 at High Meadows Ave (441318-1), SR 9 from Sunrise to SW 10th (433108-7), SR 713 Kings Highway North/South (230256-8, 438041-1), SR 9 at Spanish River/Yamato Rd. (444344-1), SR 76 Kanner Highway (446033-1), SR 9 at SR 70 (449811-1), SR 9 at Donald Ross Rd (449255-1), SR 9 at St Lucie West (444336-1), and SR 9 at Spanish River and Yamato (444344-1). Mr. Wilbur is also the lead landscape inspector for the construction admin phases.</p> <p><u>I-95 Express (Phases 3A-1, 3A-2, 3B-1, 3B-2, 3C) – FDOT District 4</u> Reference: Vanita Saini, 954-777-4468 Mr. Wilbur prepared landscape opportunity and tree relocation concept plans for one of the largest tree relocation efforts in South Florida. He assisted in the development of RFP language for all the major interchanges and mainline areas for these Design-Build projects, located from Hollywood Blvd to Linton Blvd. Mr. Wilbur has also been the lead landscape inspector and ERC reviewer for</p>



Notable Projects

all 5 phases of the project and provides post-design services including attendance of all meetings, providing inspection services to confirm and track all relocation activities, and reviewing all landscape RFIs, shop drawings, and plan revisions.

I-75 / I-595 Gateway Interchange (– FDOT District 4

Reference: Vanita Saini, 954-777-4468

Mr. Wilbur assisted with the design and plan production for this \$5M interchange landscape, irrigation, and hardscape project located in Broward County. Mr. Wilbur assisted with landscape design and oversaw the plan production and digital delivery of contract documents for all phase submittals. He oversaw the Post Design Services during construction including the review and approval of plant materials, layouts, and shop drawings, attending meetings, and responding to RFIs. He also represented FDOT as the lead inspector during the Two-Year Establishment period and successfully assisted in bringing the almost 200-acre project through to final acceptance.

I-75 Alligator Alley Environmental Education Project (437934-2/3) – FDOT District 4

Reference: Vandana Nagole, 954-777-4281

Mr. Wilbur was the project manager for the highly complex roadway and landscape phases of the Alligator Alley Environmental Education Project, which includes major site reconstruction to build an education center complete with multilevel boardwalks, a 40' observation tower, a functioning wetland exhibit, an arboretum, dog park, multi-use recreation field, multiple unique plazas, sculptures, seating, shelters, and a complete educational signage component. Mr. Wilbur played a major role in many of the design components, especially the educational components and content. Despite additional last-minute scope changes by the Department, Mr. Wilbur was able to fast-track the revisions to successfully delivered the project on time to ensure the project schedule was met.

SR 7 Widening Standalone Landscape Project; S.R. 7., Miramar, West Park and Hollywood, FL – FDOT District 4

Reference: July Jimenez, 954-777-4415

As a part of the widening efforts for S.R. 7, the project required the demolition of adjacent properties to allow for the conversion of S.R. 7 to a 6-lane, divided highway with park-like linear retention ponds. Made up of two strung standalone landscape projects, the project limits spanned three municipalities. This required Mr. Wilbur to complete extensive coordination with multiple municipalities while working on the production of the landscape, hardscape, and irrigation plans. Mr. Wilbur had the lead role in the design of the median landscape as well as the landscape design of the new park-like wet and dry retention ponds with multi-use pathways. He also helped navigate a complicated establishment phase and was involved in bringing the project through final acceptance.

I-95 at Oslo Road (CR 606) Interchange (Feb 2015 – Present): District 4, FDOT

Reference: Jeff Roberts, PE (954-777-4648)

Mr. Wilbur serves as the Project Manager for the Landscape Architectural scope for this new I-95 interchange in Indian River County. The project involves the preservation of existing vegetation, tree relocation, landscape terrace wall design and a \$1M Landscape Design Dependent Standalone project to follow the roadway construction. The project proposes to preserve nearly 3.5 acres of native pine flatwood, which required extensive coordination to maximize the storage of the stormwater ponds, while preserving the most valuable stands of existing vegetation.

SR 811 (Toney Penna to Center Street) – Town of Jupiter

Reference: Thomas Driscoll (Public Works Director), 561-741-2215

Mr. Wilbur was the lead designer for the SR 811 median landscape and irrigation project, within the Town of Jupiter. Mr. Wilbur prepared concept plans, construction/bid documents, illustrative graphics, permit documents, specifications, and cost estimates for this streetscape project. He successfully navigated the Town through the construction and establishment phase of the project.

Port St Lucie Blvd (Paar to Darwin), Port St. Lucie, FL – City of Port St. Lucie/ FDOT District 4

Reference: John Dunton, 772-344-4035

Located in Port St. Lucie, the proposed project is comprised of two Dependent Landscape projects and extends the widening of PSL Blvd. south from the Turnpike over-pass to Paar Rd. The projects included the landscaping of the medians to be consistent with the City Beatification Guidelines and included the design of the irrigation system. Mr. Wilbur is the Project Manager for the project and assisted in the design of the proposed landscape and irrigation.



Robert J. Cotleur, PLA, ASLA

Senior Landscape Architect, Principal
41 Years of Experience | 40 Years Post-Registration
561.747.6336 x101
E-Mail: RCotleur@Cotleur-Hearing.com
1934 Commerce Lane, Suite 1, Jupiter, FL 33458

Education	1984: Ohio State University; Bachelor of Science in Landscape Architecture Cum Laude Honor Graduate ASLA Academic Award of Excellence
Professional Experience	Mr. Cotleur has practiced landscape architecture in Palm Beach County for over forty years. He has developed considerable knowledge of South Florida ecology while participating in numerous planning, design, environmental, and construction administration projects. Over the past 25 years, Mr. Cotleur has come to specialize in FDOT District 4 transportation projects which include the counties of Broward, Palm Beach, Martin, St. Lucie, and Indian River. These projects are his primary focus, and they now account for over 95% of his time. Mr. Cotleur is a recognized expert in transportation landscape architecture, and the Cotleur & Hearing transportation team has also provided landscape architectural services to the FDOT Central Office and the Turnpike. Mr. Cotleur assisted in the preparation of Landscape Brand Guidelines for both District 4 and the Turnpike, and he participated at a state level to assist the FDOT with the enhancement of standard specifications, design manual updates, and plan exhibits. With a design-build background, he also has vast experience with Tree Disposition projects that include Tree Relocation, Preservation, Pruning, and the preparation of Selective Clearing & Grubbing Plans. As the Landscape Architect of Record, Mr. Cotleur was responsible for the landscape design of several notable roadways in South Florida including the I-95 gateway interchanges at I-595, Palm Beach Lakes, 45th St, Blue Heron Blvd, SR-706, CR-708, SR-76, SR-68, SR-70, and SR-60. He also designed the I-75/I-595 interchange in Broward County, the Indian Street Bridge and Jensen Beach Causeway in Martin County, and the entire 27-mile Polk Parkway in Polk County. Mr. Cotleur has not only completed a multitude of transportation projects for FDOT but also for many municipalities such as Jupiter, Royal Palm Beach, West Palm Beach, Greenacres, Port St. Lucie, Delray, Margate, and Highland Beach.
Professional Affiliations	State of Florida Registered Landscape Architect # LA0001067 Sigma Lambda Alpha, National Honor Society Member American Society of Landscape Architects Volunteers on the FDOT/FNGLA Liaison Group
Work History	1991 - Present: Senior Landscape Architect, Principal; Cotleur & Hearing 1984 -1991: Landscape Architect, Partner; GBSH Architects, Inc.
Notable Projects	<p>Transportation and Streetscape</p> <p><u>75 (Alligator Alley) Environmental Education Project, FDOT District 4 (FM# 437934-2)</u> Reference: Kaylee Kildare, 954-777-4219 This project is in the heart of the Everglades at the MP 29 rest area on I-75 (Alligator Alley). Site features include a wetland exhibit proposed in what is currently a parking lot, along with an arboretum, boardwalks, observation tower, plazas, passive park, educational and plant ID signage and an oversized alligator sculpture. Cotleur & Hearing designed the landscape features related to the \$12M roadway project as well as the plants and irrigation installed in conjunction with the \$2.3M stand-alone landscape project to follow. Construction began in the summer of 2021 and will be completed by the summer of 2025. The project includes a 3-year establishment period and will be inspected monthly. The proposed design includes 67 upland and 13 aquatic plant species providing an additional 611 trees, 10,600 shrubs, and 17,000 aquatic plants, significantly improving the microclimate of the site. The design prioritized the user experience while educating the visitors about one of Florida's critical ecosystems.</p> <p><u>I-75 / I-595 Gateway Interchange, FDOT District 4 (FM# 437846-1)</u> Reference: Vanita Saini, 954-777-4468 / Kaylee Kildare, 954-777-4219 Cotleur & Hearing designed the \$4M landscape, irrigation and hardscape improvements for this interchange, one of the largest in District 4. The design was inspired by the District's Branding theme that emulated the adjacent Everglades and is coined 'Urban Swamp Forest'. The project included the addition of over 4,600 trees to the site and includes curvilinear landscape terrace walls at various heights and a temporary irrigation system. The contract was completed in the summer of 2021 and the project won an award from the National Association of Landscape Professionals.</p>



Notable Projects

I-95 / Donald Ross Rd Gateway Interchange, FDOT District 4 (FM# 449255-1)

Cotleur & Hearing designed the landscape for this \$1.46M interchange in Jupiter / Palm Beach Gardens. Design elements included new ponds with heavy aquatic plantings and the use of large areas of cap rock boulder areas that require no maintenance. Cotleur & Hearing prepared Selective Clearing & Grubbing plans that required the removal of invasive exotic vegetation, pruning and management of native vegetation, and the relocation of desirable native trees to maximize views into the proposed ponds and new landscape areas. The projects main objective was to improve and expand the aquatic wetland plantings surrounding the proposed ponds to promote stormwater runoff treatment.

I-95 / I-595 Gateway Interchange, FDOT District 4 (FM# 433891-1)

Reference: Jim Hughes, 954-777-4419

Cotleur & Hearing designed the landscape, irrigation, retention ponds, and hardscape for this \$6M signature landscape project which won design awards from FICE and ASLA. Cotleur & Hearing also provided post-design services during construction including hand-selecting all plant materials and providing inspection services throughout the three-year warranty period. The project was implemented on an extremely accelerated schedule with the design completed in two months and construction completed in 140 days. This was also the first FDOT project to utilize landscape terrace walls, (designed by Mr. Cotleur) that are now being repeated throughout the state.

SR-7 Stand Alone Landscape Project, FDOT District 4 (FM# 227775-3/227774-3)

This \$2.2M, 3.5-mile complete streets project in Broward County was completed in early 2021. The design features include linear parks designed around the stormwater retention ponds and curvilinear multiuse pathways with heavy landscaping shading the decorative pavement design for the plazas and sidewalks. Concrete maintenance strips were provided in the medians to improve the safety of maintenance crews. Design services included planting and irrigation design (five systems), as well as construction administration. Extensive coordination with the maintaining authorities was required as the project included maintenance agreements with the Cities of Hollywood, West Park, and Miramar.

Reconstruction Projects for FDOT District 4

Services provided included landscape design, irrigation/hardscape design, and post-design services.

I-95 SR 834 Sample Rd FM# 444404-1

Jupiter FM #406870-2

CR-714 Martin Hwy FM# 230978-2

SR-858 Hallandale FM #228159-1

US-1 Hollywood (TDL Design Criteria) FM #228034-1 I-95 HOV

SR-818 Griffin Rd. FM #227882-1 / 227462-1

SR-732 Jensen Beach Causeway FM #228758- 1

SR-60 FM #228627-1 & 228628-1

Tree Disposition, Tree Relocation and Selective Clearing & Grubbing (SC&G) projects for FDOT District 4 I-95/SR-706 SC&G Project

Jupiter (FM# 433909-2)

I-95/SR-706 Safety Project Jupiter (FM# 434273-3)

Rock Island Road Coral Springs (FM# 436541-1)

NE 5th Ave Boca (FM# 4384021-1)

Swinton Ave Delray (FM#436389-1)

University Drive Coral Springs (FM# 431756-2)

Design Build Projects, FDOT District 4

Indian St. Bridge, Martin County (FM #230978-1)

Indian River County (FM# 413048-1)

I-95 Widening St Lucie County (FM# 413046-1) I-95 Widening,

I-95 Weigh in Motion Station (FM# 231812-2)

Misc. I-95 Mainline Landscape Projects

All 3 projects were completed for FDOT District 4

FM# 433108-7 from McNab to SW 10th had a landscape budget of \$1.2M and was completed in January 2024.

FM# 452292-1 from SR 704 to SR706 has a landscape budget of \$1.6M and will begin construction in winter 2025.

FM# 409354-4 from Hollywood Blvd to Davie Blvd has a landscape budget of \$4.0M and will begin construction in spring 2026.

Misc. Stand-alone Landscape Projects

I-95 interchanges at SR-706, SR-76, CR-708, CR-713, SR-70, SR-68, SR-60, (FDOT District 4)

I-95 at SR 834/Sample Rd (FM# 444404-1) which included close coordination with the City of Pompano Beach.

Turnpike HEFT (SR 821) interchanges at SR-5, SR-836, NW 41ST ST, SR-91 (FDOT Turnpike District)

SR-76 Martin County -FDOT D-4 (FM#'s 422641-1/446033-1)

CR-713 Kings Hwy-FDOT D-4 (FM#'s 230256-8/4380411-1)

SR-809 Military Trail /US1 – Town of Jupiter

Port St Lucie Blvd – City of PSL



Heather Kinkead, PLA

Senior Landscape Architect

24 Years of Experience | 13 Years Post-Registration

561.747.6336

E-Mail: HKinkead@Cotleur-Hearing.com

1934 Commerce Lane, Suite 1, Jupiter, FL 33458

Education

2003: Virginia Polytechnic Technical Institute; Bachelor of Landscape Architecture
Graduated with Honors

Professional Experience

Ms. Kinkead has worked as a landscape architect/designer for twenty-two years. She moved to Florida and became employed with Cotleur & Hearing in February 2005. Since her employment at Cotleur & Hearing, she has had the opportunity to work on numerous transportation, commercial, and residential landscape projects, becoming especially skilled in the development and review of transportation landscape plans, right of way permit plans for the Florida Department of Transportation and Palm Beach County, commercial site and landscape plans. She has worked as an FDOT ERC plan reviewer, in-house QC reviewer, and in the development of right-of-way permit plans for many of Cotleur and Hearing's commercial projects. Heather is an expert with CAD programs, bringing over twenty-six years of experience with AutoCAD and twelve years of experience in MicroStation.

Professional Affiliations

State of Florida Registered Landscape Architect #6667097
2003: ASLA, Undergraduate Merit Award Winner
Palm Beach North Chamber of Commerce Member
Young Professionals of Palm Beach North Member

Work History

2005 - Present: Landscape Architect, Cotleur & Hearing
2003 - 2005: Landscape Designer / Planner, The Faux Group
2001 - 2002: Landscape Designer Intern, The Faux Group

Notable Projects

Community Projects

2nd Street Bio-swailes – Lake Park

Reference: Don Hearing, 561-747-6336

Ms. Kinkead assisted as the lead landscape architect in the design and drafting of the landscape plan for the 2nd Street Bio-swale Green Infrastructure project in Lake Park. The all-native plant palette was chosen for low maintenance and to eliminate the need for irrigation once established. Site constraints including overhead and buried utilities, clear zone offsets and vehicular sight lines limited the plant palette to shrubs, perennials, and grasses only. The bio-swale planting were designed to tolerate and thrive in the variable conditions and to provide initial stormwater treatment.

Bert Bostrom Park – Lake Park

Reference: Don Hearing, 561-747-6336

Ms. Kinkead assisted in the design of landscape restoration and buffer planting plans for the Bert Bostrom Park, located in the Town of Lake Park. Nearing construction completion, the landscape will be implemented after the final grading of the sports fields. This innovative Green Infrastructure project is one of the first of its kind and provides multiple acres of stormwater chambers below the park's multipurpose ball fields. Landscape restoration included the identification of palms for relocation, selection of turf types for sports field, medians, and unirrigated areas along with barriers to separate differing sod types. Full irrigation design was provided for the park and the medians of the adjacent 6th Street. These green infrastructure improvements will help alleviate excess flooding throughout the neighborhood.

Westlake Amenity Center – Phase 2

Reference: Don Hearing, 561-747-6336

Ms. Kinkead assisted in the design, drafting and quality control of the site and landscape plan for the second phase on the Westlake Amenity Center, developing a code minimum landscape plan and an enhanced landscape plan for Minto Communities to install from.

Transportation

FDOT District 4 ERC Plan Reviewer 2016 to 2021

Reference: Bann Williams, FDOT District 4 DLA, 954-777-4219



Notable Projects

Ms. Kinkead assisted the Florida Department of Transportation District 4 with Plan Review Support Services for 5 years. Ms. Kinkead review plans submitted to the FDOT ERC meet the requirements of the Department's Design Manual, Standard Specs and Plans, Basis of Estimates, and Design Initiatives, with a focus on the preservation of existing plant material and plant communities, the safety of the public, the value-added, and the sustainability and longevity of the project.

SR 9 (I-95) and SR 706 (Indiantown Rd.) Interchange, Jupiter, FL – FDOT District Four

Reference: Rob Cotleur, 561-747-6336

This is a stand-alone landscape project. Ms. Kinkead assisted in the design, drafting, and quality control of the landscape and irrigation plans for the interchange landscape improvements in accordance with FDOT's CAD standards and electronic delivery criteria.

SR 7 Widening Complete Streets Project, Broward County, FL – FDOT

Reference: Rob Cotleur, 561-747-6336

For this stand-alone landscape project, Ms. Kinkead assisted with the design and drafting of the landscape and irrigation plans. She also provided quality-control reviews for this complete street project featuring bike lanes, multimodal pathways, linear parks designed around dry and wet storm water ponds, and heavily landscaped medians and roadsides. This was the final phase of the roadway widening project.

CR 714 – Martin County, FL – FDOT District Four

Reference: Rob Cotleur, 561-747-6336

Ms. Kinkead assisted in the drafting of landscape and irrigation plans for County Road 714 in accordance with FDOT's CAD standards and electronic delivery criteria. She conducted fieldwork to identify and locate existing trees for preservation and prepared and processed notification packages for the outdoor advertising signs within the project limits. This was the first project to implement FDOT's digital delivery signature process.

SR 5 (US 1), Palm Beach County, FL – FDOT District Four

Reference: Rob Cotleur, 561-747-6336

Ms. Kinkead assisted in the drafting of landscape and irrigation plans for the SR 5 (US 1) corridor from Jupiter to North Palm Beach in accordance with FDOT's CAD standards and electronic delivery criteria. She also prepared the Landscape Concept Report, attended project meetings, and assisted in the initial site analysis, fieldwork, and final landscape inspections.

Miami Gardens Drive, Miami, FL – FDOT Turnpike District

Reference: Rob Cotleur, 561-747-6336

Ms. Kinkead assisted in the design development of conceptual plans for landscaping adjacent to the Miami Gardens Drive overpass. She prepared colored graphics, plant image palettes, and site-specific design details for erosion control fabric, and conducted product research for endo- and ecto-mycorrhizae inoculates specified for the project. Upon approval of the final concept, she prepared the full plan set for FDOT's 100% submittal in accordance with FDOT's CADD standards and electronic delivery criteria.

Portosol Landscape Medians, Okeechobee Blvd., Royal Palm Beach, FL

Reference: Don Hearing, 561-747-6336

Ms. Kinkead designed and prepared landscape and irrigation plans for the medians of Okeechobee Blvd, adjacent to the Portosol residential development in Royal Palm Beach. She saw the project to fruition through the Village Council approval, County permit approval, and construction coordination processes.


Steven Rivera

Landscape Designer, Certified Irrigation Technician, ISA Certified Arborist
 6 Years of Experience
 561.747.6336 x119
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Education	2019: Florida Atlantic University; Bachelor of Urban and Regional Planning
Professional Experience	<p>Mr. Rivera is highly skilled in design programs such as Microstation, AutoCAD, SketchUp, Photoshop, and GIS. Since joining Cotleur & Hearing, he has contributed to numerous FDOT roadway and landscape projects, working closely with supervisors and Principals while rapidly mastering FDOT standards and procedures. His technical expertise includes preparing Landscape, Irrigation, Selective Clearing & Grubbing, and Tree Disposition Plans for FDOT and local municipalities using both Microstation and AutoCAD. He has worked on a range of projects including Stand-Alone Landscape projects, Component Set roadway landscape projects, as well as Tree Disposition, Relocation, and Selective Clearing & Grubbing initiatives.</p> <p>Mr. Rivera also conducts field work involving tree inventories, data collection, and tree assessments. His dedication and performance over the years have established him as Cotleur & Hearing's key transportation production staff member. He is well versed in the FDOT Design Manual and the FDOT plan production process. In addition to his professional experience, Mr. Rivera has expanded his qualifications by completing the Irrigation Association training course and earning the Certified Irrigation Technician designation. He also achieved certification as an ISA Certified Arborist after passing the International Society of Arboriculture exam.</p> <p>Prior to and alongside his work at Cotleur & Hearing, Mr. Rivera gained diverse planning and design experience. Under the guidance of Florida Atlantic University, he collaborated with planners and designers from the City of West Palm Beach on various site plan options for the Jefferson Terminal District Redevelopment Project. He also prepared site plan concepts and graphic presentations for several Mixed-Use Planned Development (MXPDP) projects in Broward County. Additionally, he worked for over six years as a nursery manager and horticultural technician at his family-owned nursery in Miami, further grounding his expertise in plant materials and horticultural practices.</p>
Professional Affiliations	Florida American Planning Association Member Irrigation Association Certified Irrigation Technician #247481 (2022) International Society of Arboriculture Certified Arborist #FL-10180A (2024) International Society of Arboriculture Florida Chapter Member
Program Experience	Advanced Level of ArcGIS Advanced Level of AutoCAD Advanced Level of Microsoft Suite, Word, Excel and PowerPoint Advanced Level of Sketchup Advanced Level of Microstation Advanced Level of Adobe Suite, Photoshop, InDesign, Illustrator, and Express
Work History	2019-Present: Landscape Designer/CADD Technician; Cotleur & Hearing
Notable Projects	<p><u>Continuing Services for Landscape Architecture Design, District Wide Contract – FDOT District 4</u></p> <p>Mr. Rivera is a designer for the two 5-year Continuing Services District Wide Contracts CA239 and CAH36. His responsibilities included the preparation of tree disposition, landscape, and irrigation plans. Mr. Rivera also assists in landscape and irrigation design, and modification of existing irrigation systems. Mr. Rivera is also involved in field work, taking tree inventory and noting existing conditions. During post design, Mr. Rivera assists in nursery visits and tagging material.</p> <p>Notable projects currently in various phases of construction or production include SR 9 at Fellsmere Rd (446040-1), SR 9 at High Meadows Ave (441318-1), SR 9 from Sunrise to SW 10th (433108-7), SR 713 Kings Highway North/South (230256-8, 438041-1), SR 9 at Spanish River/Yamato Rd. (444344-1), SR 76 Kanner Highway (446033-1), SR 9 at SR 70 (449811-1), SR 9 at Donald Ross Rd (449255-1), SR 9 at St Lucie West (444336-1), and SR 9 at Spanish River and Yamato (444344-1).</p>



Notable Projects

I-75 Alligator Alley Environmental Education Project (437934-2/3) – FDOT District 4

The Alligator Alley Environmental Education Project includes major site reconstruction to build an education center complete with multilevel boardwalks, a 40' observation tower, a functioning wetland exhibit, an arboretum, dog park, multi-use recreation field, multiple unique plazas, sculptures, seating, shelters, and a complete educational signage component. Mr. Rivera was a landscape and irrigation designer for this highly complex project and assisted in the creation of the tree disposition, landscape, irrigation, and hardscape plans.

I-95 / Donald Ross Rd Gateway Interchange, FDOT District 4 (FM# 449255-1)

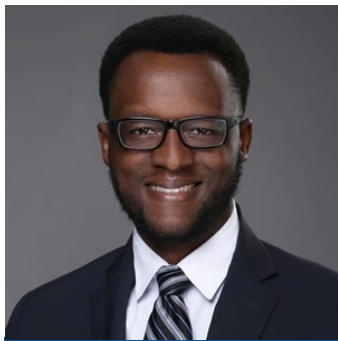
Cotleur & Hearing designed the landscape for this \$1.46M interchange in Jupiter / Palm Beach Gardens. Design elements included new ponds with aquatic plantings and the use of large areas of cap rock boulder areas that require no maintenance and will last forever. Mr. Rivera was a landscape designer for this project and assisted in site inventory and analysis, Selective clearing and grubbing design, and tree relocation and removal design.

SR 76 Cove Rd to Monterey

Located in Martin County, the proposed project was a standalone landscape project that focused on adding landscape and irrigation to the sodded medians and sound walls to increase the beautification within the corridor and match the level of landscape on other roadways within the county limits. Mr. Rivera was a landscape and irrigation designer for the SR 76 (Kanner Highway) project, within Martin County. Mr. Rivera prepared concept plans, illustrative graphics, and landscape and irrigation plans. During post design, Mr. Rivera also attended nursery visits and tagged material for procurement.

SR 9 I-95 at SR 70 Okeechobee Rd Landscape Project

Mr. Rivera was a landscape designer for the SR 70 (Okeechobee Road) interchange project, within St. Lucie County. Mr. Rivera prepared concept plans, permit documents, cost estimates, and landscape plans for this project. During post design, Mr. Rivera also attended nursery visits and tagged material for procurement.



YVES-STANLEY DELMAS, PE

SENIOR GEOTECHNICAL ENGINEER

Mr. Delmas is responsible for the geotechnical design of civil projects, and the coordination of construction-phase services and inspections. Mr. Delmas's design and knowledge of both geotechnical and conventional testing field services result in a skill set that combines his knowledge of design intent and the importance of collecting quality field data. He is experienced in geotechnical construction projects where mixed designs and in-situ testing are critical to the project's success. In addition, he has significant laboratory experience. He has logged drilled rigs in several states and is very familiar with Florida geology. Mr. Delmas is highly experienced in both deep foundation quality assurance as well as design, including ACIP pilings, driven pilings, and drilled shafts (including non-redundant)

EDUCATION:

Florida Atlantic Univ.
Bachelor of Science Civil Engineering 2010

REGISTRATIONS:

FL PE #80352
IL PE# 062-071169
PA PE# 089151

EXPERIENCE: 16 YRS.

YRS AT H2R: 9

CERTIFICATIONS:

TIN D45297785

PAPERS WRITTEN:

D. Rancman, T. Nguyen, D. Hart, Y.S. Delmas.
"Pile Group Effects and Soil Dilatancy at the Fort Lauderdale International Airport, Proceedings of the 2018 International Foundations Congress and Equipment Exposition (FCEE), Orlando, FL

Henry E. Kinney Tunnel Rehabilitation and Tunnel Top Plaza, Florida Department of Transportation (FDOT), District 4, Broward County & City of Fort Lauderdale, FL 2017 – Present Senior Geotechnical Engineer and Geotechnical Engineer of Record responsible for evaluating the impact of the proposed plaza at the north portal of the Henry Kinney Tunnel using finite element analyses. Mr. Delmas is also responsible for overseeing all aspects of the geotechnical exploration programs and geotechnical analyses for different foundation systems throughout the corridor approaching the tunnel. This project is set to revitalize various aspects of the Henry E. Kinney Tunnel, including its structural, mechanical, electrical, architectural, and safety features. Additionally, the project involves milling and resurfacing of SR 5/ US-1 from Rio Vista Boulevard to just south of the Tunnel. It also includes the installation of Intelligent Transportation Systems (ITS) along SR 5/ US-1. A notable enhancement is the extension of the tunnel's top to create a pedestrian plaza, which will be equipped with new fountains, seating, brick pavers, artificial turf, and landscaping. Furthermore, the project encompasses the reconstruction of the Las Olas Boulevard intersection at SE 6th Avenue.

Tamiami Trail 2.6-Mile Bridge, Florida Department of Transportation (FDOT), District 6, Miami-Dade County, FL 2017 – 2020 Senior Geotechnical Engineer was responsible for providing geotechnical support to the CEI team. Responsibilities included oversight of the team performing dynamic pile testing and reviewing all geotechnical documents submitted by the design-build team to identify discrepancies and ensure that the foundations were constructed according to the design plans and the Florida Department of Transportation's specifications. As part of the Comprehensive Everglades Restoration Plan (CERP), The Florida Department of Transportation and the National Park Service replaced a portion of the Tamiami Trail Road/U.S. Highway 41 with a new 2.6-mile-long bridge.

Pembroke Road Expansion and Miramar Parkway Extension, Cities Of Miramar And Pembroke Pines, Broward County, FL 2022 To Present: Mr. Delmas was responsible for providing geotechnical for every aspect of this project, which includes roadway, Drilled shaft for mast arms, and auger cast piles for a noise wall. This comprehensive project his project entails the expansion of Pembroke Road from SW 160th Ave to US-27, transforming it from a 2-lane road to a 4-lane divided highway with enhancements like medians, landscaping, lighting, and bike lanes. It also includes the extension of Miramar Parkway from SW 192nd Terrace to Pembroke Road as a new 2-lane divided road, mirroring Pembroke Road's upgrades. These developments aim to improve traffic flow and pedestrian safety, and the project encompasses comprehensive design elements such as noise walls, traffic signal updates, and efficient drainage systems, ensuring a modern and sustainable infrastructure upgrade for the City of Miramar.

SR 836/HEFT (Homestead Extension of Florida's Turnpike New Ramp Connections), Greater Miami Expressway Agency (GMX), Miami-Dade County, FL 2022 to Present Senior Geotechnical Engineers responsible for providing geotechnical support to the Construction, Engineering, and Inspection (CEI) team. His responsibilities include reviewing and overseeing all geotechnical-related information submitted by the design-build team to identify discrepancies and to ensure that the foundations are constructed according to the design plans and FDOT. The project entails the design and construction of extension ramps for connecting SR 836 with SR 821 (Homestead Extension of Florida's Turnpike, HEFT), requiring coordination with adjacent Florida Turnpike Enterprise (FTE) contracts. It includes constructing Ramp B-2 for eastbound SR 836 to northbound HEFT, Ramp B-1 for westbound SR 836 to northbound HEFT, and Ramp D-1 from southbound HEFT to westbound SR 836. Additionally, the project proposes optional services like Ramp A-2B from southbound HEFT Managed Lanes to westbound SR 836, along with Ramp A-2 for southbound HEFT managed lanes to eastbound SR 836. Furthermore, it includes Ramp F-1 linking eastbound SR 836 Extension to Dolphin Station Park and Ride Transit Terminal Facility, and Ramp E-1 connecting the Dolphin Station Facility to westbound SR 836 Extension. These developments are aimed at enhancing connectivity and traffic efficiency between these major roadways and transit facilities.

Miami-Dade County, West Dixie Highway from NE 164 Street to NE 173 Street Roadway Improvements Project, Miami Dade County, FL 2019 - 2022 Senior Geotechnical Engineer was responsible for providing geotechnical support during the design of this project. The project consists of widening the existing West Dixie Highway roadway from two (2) to four (4) lanes from NE 164 Street to NE 173 Street. This project includes the construction of on-road bicycle facilities, wide sidewalks, and other enhancements. The increase in non-motorized traffic is anticipated, especially with the development of the Aventura train station at 19700 West Dixie Highway and the proposed pedestrian bridge linking to the Aventura Mall Bus Terminal. The Miami-Dade County Transportation Planning Organization (TPO) has identified this corridor as a SMART terminal connector, emphasizing the need for improved bicycle and pedestrian facilities along West Dixie Highway.

S.R. 821 Widening from N. of SW 72nd To N. Of SW 40th St., Florida Department of Transportation/ Florida Turnpike Enterprise, – Miami-Dade County, FL 2015 – 2020 Geotechnical Engineer for the design phase of the project and assisted in the design of the bridge foundations which included 18-inch prestressed-concrete piles, micro-piles and misc. drilled shafts. Mr. Delmas was also the geotechnical field engineer during the construction phase, providing dynamic pile testing services, cross-hole sonic logging, vibration monitoring, and drilled shaft inspection for tolling, signage, and miscellaneous structures. Improvements include the widening of Homestead Extension of Florida's Turnpike to three general-purpose lanes and two express lanes in each direction; replacing the mainline toll facilities with a new all-electronic toll; constructing a new northbound, two-lane exit ramp to Bird Road; removing an old bridge and constructing a new bridge; converting a two-lane frontage road with controlled access; and milling and resurfacing the highway.

SR 997/ Krome Ave From SW 136 St To SW 232 St, Florida Department of Transportation, District 6, Miami-Dade County, FL 2017 – 2019 Mr. Delmas was the Geotechnical Engineer responsible for DLT using PDA for Bridge 871187 over canal C-102. Mr. Delmas also performed Cross Hole Sonic Logging (CSL) to check the integrity of drilled shafts that were not installed by FDOT specifications. The project involved rebuilding and widening Krome Avenue from a two-lane roadway to a four-lane roadway divided by a 40-foot grassed median and constructing a new bridge over the C-102 Canal.

Greater Miami Expressway Agency (GMX) SR 836 Interchange Modifications at NW 87th Ave – Miami-Dade County, Florida 2016 - 2019 Geotechnical Engineer responsible for the Construction Engineering and Inspection Services, including Dynamic Load Testing using PDA, and constructability plan reviews for the reconstruction of the SR836 Mainline and NW 87th Avenue interchange to enhance the overall operations of the system. The project included improvements to the mainline and existing ramps, improvements to the NW 87th Avenue and NW 12th Street intersection, a new flyover connection from NW 12th Street WB to SR836 WB, and a new bicycle path along NW 12th Street.

Florida Department of Transportation (FDOT) Bridges of The Isles & Sunrise Key Bridge Replacements – Broward County, FL / FDOT 2013 – 2015 Geotechnical Engineer responsible for the design of four new bridges and one bridge replacement to provide connectivity between the Nurmi Isles finger islands, north of Las Olas Boulevard, with S.R. 842 on the mainland. Services included accelerated bridge design and construction in an environmentally sensitive area. The project also involved complex maintenance of traffic, temporary signalization, traffic control plans, extensive utility coordination, geotechnical design, public outreach, and coordination with multiple stakeholders. Mr. Delmas also provided construction services oversight, including pile driving inspection, dynamic pile testing, and vibration monitoring.



THAI NGUYEN, PhD, PE

CHIEF GEOTECHNICAL ENGINEER

EDUCATION:

Ph.D., 2018
M.Sc., 2001
University of Florida
Gainesville, Florida, USA,
EXPERIENCE: 29 YRS
YRS AT H2R: 9

REGISTRATIONS:

Florida P.E. No. 66551, 2007
Master PDA CAPWAP
proficiency, 2012, 2014
SmartPile EDC User No.
020FL0046-13, 2011

PUBLICATIONS:

"Strength Envelopes of Florida
Carbonate Rocks near Ground
Surface." *Author, ASCE Journal
of Geotechnical and GE, 2019.*

"Case Studies of Rebounds on
Long, Slender Piles." *Author,
ASTM StressWave, 2018*

"Case Studies - Driving Concrete
Piles in Florida Pinnacle
Limestone." *Author, ASTM
StressWave, 2018*

"Evaluation of Existing Deep
Foundation Performance Using
the FDOT Database to Improve
Current Design Methodologies."
Contributor, FDOT 2005.

"National Cooperative Highway
Research Program Report 507:
Load and Resistance Factor
Design (LRFD) for Deep
Foundations." *Contributor, TRB,
2004.*

4 other ASCE, ARMA, and Rock
Mechanics publications, 2018

Thai Nguyen has extensive knowledge in geotechnical engineering, specifically involving foundation systems for tunnels, bridges, buildings, dams, and other structures. Mr. Nguyen's technical experience in foundation testing includes Static Load Test (SLT), Dynamic Load Test (DLT), utilizing PDA, GPC, or EDC, Crosshole Sonic Logging (CSL), and Pile Integrity Tests (PIT). He is additionally skilled in engineering data management, soil structure interaction, earth retaining structures, slope stabilities, construction methodologies, ground improvement techniques, establishment and monitoring of geotechnical instrumentation, design of shallow and deep foundation systems, QA/QC during the installation of auger cast-displacement piles, drilled shafts, driven piles, and tie-down anchors, vibration monitoring programs, forensic engineering, and condition surveys for pre-and post-construction phases. He is often consulted by the State's Central office to support challenging projects due to his expertise during design and construction (CEI) and is an ideal partner for plan reviews

SOUTH OCEAN BRIDGE REPLACEMENT – FT LAUDERDALE, FL

The South Ocean Drive Bridge Replacement Project in Fort Lauderdale, Florida, involves the complete replacement of an aging bridge to enhance safety, functionality, and resilience. The project includes constructing a modernized bridge structure designed to meet current engineering standards, improve traffic flow, and accommodate pedestrian and cyclist access. Upgraded infrastructure and enhanced durability will ensure the bridge remains a vital transportation link for the local community and visitors in this coastal area.

SW 136TH STREET OVER C100-A CANAL – FT LAUDERDALE, FL

The project consists of replacing the bridge currently spanning over the C-100A canal along SW 136 Street, within Miami-Dade County Commission Districts 7 and 8. The existing bridge, originally built in 1966 and classified as functionally obsolete, will be replaced with a new cast in-place concrete bridge that provides wider concrete sidewalks and shoulders on both sides, greatly enhancing pedestrian and bicycle features. The project also includes Pedestrian Railing "smart" lighting and improving the approach roadways by milling and resurfacing, shoulder widening, new pavement markings, and shoreline protection adjacent to the new bridge.

I-395, I-95, SR836 RECONSTRUCTION, MIAMI-DADE COUNTY 2019 to current

CEI: The project initially started as a driven pile project. Mr. Nguyen was involved in 2019 in reviewing the DLT results of the driven piles in the preliminary phase. The Design-Built (DB) team decided that it was not feasible to drive piles to obtain the nominal bearing capacities and changed the design to 30-in and 36-in auger cast piles with depths typically 70 to 150 feet. Mr. Nguyen recently resumed reviewing the DB team's submittals on the following: auger cast pile length analyses, foundation certifications, drop hammer analyses, bi-directional load tests, and thermal integrity tests.

NAVFC SE IDIQ WATERFRONT PROJECTS, FLORIDA AND GEORGIA, 2020 to current.

Design: Manage geotechnical scope of works for Indefinite Delivery Indefinite Quantity (IDIQ) contract for Multi-Discipline Architect-Engineer (AE) Services in Support of Waterfront Projects primarily in the Naval Facilities Engineering Systems Command (NAVFAC) South-East. The project includes various naval facilities in Georgia and Florida.

SR-82/ PANTHER CREEK AND UNDER CANAL - 210106.003, Collier County 2025 to current.

ACROW BRIDGES – GEOTECHNICAL SUPPORT SERVICES – LIBERTY COUNTY, FL

Dynamic Load Tests for steel pipe piles. CTQP pile driving inspection. FB-pier lateral loaded pile analyses for minimum tip requirements.

SOUTH OCEAN BRIDGE REPLACEMENT- 240530.090, Broward County, 2025 to 2025.

CEI: Dynamic Load Tests for ten (12) bridges using state-of-the-art GPC equipment. Production pile length and driving criteria recommendation.

FB-Pier Lateral Stability Analyses for Value Engineering Analyses for Contractor.

NW 36TH STREET AND NW 43RD AVENUE - 200128.169, Broward County 2023-2024

Design: Geotechnical review of the award-winning streetscape design project.

NORRIS CUT TUNNEL, FORCE MAIN MATERIALS TESTING, MIAMI, FL, MIAMI-DADE COUNTY, WATER AND SEWER DEPARTMENT 2009 to 2012

CMT: Senior Geotechnical Engineer for soil mix design and deep soil mixing execution, which is required to construct the tunnel boring machine exit pit at Fisher Island. Tasks for this phase of work include specialty geotechnical engineering and field services including soil-cement coring, laboratory testing, and other services including construction quality control, Robertson camera, and in-situ permeability testing.

C-25 RESERVOIR AND STA – ST. LUCIE COUNTY FL, SFWMD

Geotechnical Engineer responsible for the design of pumpstation, bridges, weirs, culverts, stilling wells, and retaining walls. The geotechnical analysis and design involved all relevant design aspects in charge of the geotechnical EOR including soil parameter recommendations, soil and rock strength determinations, groundwater and seepage evaluations, bearing and settlement analyses, retaining wall stability, and lateral/vertical pile analysis/design. The purpose of this project is to manage the water quantity, quality, timing, and distribution targets for the Indian River Lagoon watershed and St. Lucie Estuary. The project components of the overall C-25 R/STA include a reservoir storing 5,176 acre feet of water in an above ground impoundment and a Stormwater Treatment Area for providing water quality treatment. The reservoir is expected to capture runoff from the C-25 Basin. Stormwater runoff from the basin will be captured via the project's main pump station, located on the C-25 Canal and will store runoff in the reservoir and then be released into the STA for nutrient removal through plant uptake processes. The flows will then be released from the STA back to the C-25 Canal downstream of the District's S-99 gated spillway water control structure and then, eventually, into the IRL via the S-50 water control structure.

S.R. 821 WIDENING FROM NORTH OF SW 72ND STREET TO NORTH OF SW 40TH STREET, MIAMI-DADE COUNTY, FL, FDOT, FLORIDA'S TURNPIKE ENTERPRISE.

Design: Senior Geotechnical Engineer for this project in design, including 18-inch prestressed concrete piles and micro-piles along with MSE and sound walls. Vibration and settlement have created issues with shallow foundation-supported bridges and certain nearby structures. Improvements include the widening of Homestead Extension of Florida's Turnpike to three general purpose lanes and two express lanes in each direction; replacing the mainline toll facilities with a new all-electronic toll; constructing a new northbound, two-lane exit ramp to Bird Road; removing an old bridge and constructing a new bridge; converting a two-lane frontage road with controlled access; and milling and resurfacing the highway.

CEI: Project Manager for this design-build project during the construction phase, providing dynamic pile testing services, cross-hole sonic logging, vibration monitoring, pile driving inspection, noisewall foundation inspection, roadway construction oversight, bridge construction oversight and drilled shaft inspection for tolling, signage, and miscellaneous structures.



JORDAN NELSON, PE

SENIOR ENGINEER

EDUCATION:

University of Florida
Mechanical Engineering
Bachelor of Science 2011
Master of Engineering 2013

REGISTRATIONS / CERTIFICATIONS:

FL PE #85278
TX PE #132934
WV PE #23595
NI Certified LabVIEW
Developer

EXPERIENCE: 14 YRS

YRS AT H2R: 6

PROFESSIONAL AFFILIATIONS:

American Society of
Mechanical Engineers
American Concrete Institute
Florida Engineering Society

PUBLICATIONS:

Muchard, Michael K. Nelson,
Jordan D. "Determination of
Unknown Foundation
Lengths for Bridges Using
Parallel Seismic Testing".
ASCE Florida Section 2015.

Nelson, Jordan D. Ferraro,
Christopher C. Algernon,
Daniel. "The Application of
Nondestructive Evaluation
Techniques to Concrete with
Internal Flaws". Structural
Faults and Repair 2014.

Owing to a background in instrumentation, controls engineering, solid mechanics, and manufacturing, Jordan Nelson fills a unique role within geotechnical and construction engineering. He began his career in structural materials research for FDOT and moved into deep foundations quality assurance. He has extensive experience in static, bi-directional, and rapid foundation load testing as well as nondestructive integrity testing methods, geotechnical instrumentation, and environmental monitoring. His product development experience has allowed him to advance the art of these services and promote the industry at large.

DISTRICTWIDE MATERIALS AND GEOTECHNICAL SERVICES – FDOT DISTRICT 7 Kisan Patel (863) 519-4200

Assistant project manager for the districtwide contract. Managed pavement evaluation task items, including sampling operations planning and MOT, reporting, and quality control. Performed downhole CCTV camera inspection of voids discovered below the interstate and assisted with emergency closure and repair.

8.5 SQUARE MILE AREA – MIAMI, FL / GEOSOLUTIONS / SFWMD – Dane Woo (724) 335-7273

Project engineer supporting verification coring of grout-repaired limestone formation, including CCTV camera inspection.

VARIOUS FOUNDATION TESTING PROJECTS – KENNEDY SPACE CENTER / CCAFS

Foundation test engineer and project manager for deep foundation load tests for the following projects at Kennedy Space Center / Cape Canaveral AFS

Launch Complex L-39a Improvements – subcontractor to I+Icon for improvements to barge terminal serving the commercial lease of launch facility. Instrumentation engineer for static load tests at the barge terminal

Launch Complex L-36 Improvements – subcontractor to Malcolm Drilling for bi-directional static load testing (BDSLT) for the rebuilding of the launch complex for Blue Origin, specifically for the New Glenn rocket. Instrumentation engineer and quality control on the analysis of BDSLT results

I-4 ULTIMATE - ORLANDO, FL / SKANSKA-GRANITE-LANE JV / FDOT

Vibration Specialty Engineer and project manager for existing structure protection services. \$2.3B P3 project rebuilding 21 miles of Interstate 4 through metropolitan Orlando. Supported automated remote vibration monitoring equipment, performed structural surveys, and advised on vibration mitigation methods.

SELMON EXPRESSWAY WEST EXTENSION – TAMPA, FL / KIEWIT / TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

Project manager and senior engineer for load testing and internal foundation QC testing. 1.9-mile elevated tollway connecting Lee Roy Selmon Expressway to Gandy Bridge over Gandy Boulevard. Designed and performed four bi-directional load tests with novel modular test frame design. Performed static load test on ACIP foundation for segment walker towers. Oversaw crosshole sonic logging, thermal integrity profiling, and low-strain integrity testing on over 150 ACIP and drilled shaft foundation elements.

DISTRICTWIDE UNKNOWN FOUNDATIONS AND SCOUR STUDY – FLORIDA DISTRICT 7 / TIERRA, INC / FDOT

Project engineer for unknown foundations testing. Evaluation of three bridges for scour and durability studies. Performed parallel seismic and low-strain integrity and evaluated in situ pile elevations and overall foundation integrity.

TAMPA INTERNATIONAL AIRPORT AUTOMATED PEOPLE MOVER AND RELATED BUILDINGS – TAMPA, FL / CASE ATLANTIC COMPANY / MALCOLM DRILLING CO / HILLSBOROUGH COUNTY AVIATION AUTHORITY

Project manager and senior test engineer for foundation load tests and integrity testing. Expansion of TPA facilities including automated people mover, consolidated rental car center, expanded taxiway, and APM-served commercial space. Performed three bi-directional load tests on the people mover footprint and one in support of commercial building construction. Performed crosshole sonic logging and low-strain integrity tests on deep foundation elements

SEATTLE TACOMA INTERNATIONAL AIRPORT – INTERNATIONAL ARRIVALS FACILITY – SEATTLE, WA / MALCOLM DRILLING COMPANY / PORT OF SEATTLE

Project engineer for a foundation load test. Construction of an iconic new facility for international arrivals, including a 900-foot long, 85-foot high ped bridge over an existing taxi lane. Designed modular load test assembly and oversaw offsite fabrication. Assisted with installation and performed a 12,000 kip load test on an expendable test shaft.

US-181 HARBOR BRIDGE – CORPUS CHRISTI, TX / FLATIRON-DRAGADOS JV / PORT OF CORPUS CHRISTI

Senior project engineer for foundation load test program. Replacement of existing steel truss bridge with what will be the longest cable stay bridge in the US as part of a miles of highway replacement. Performed thermal integrity profiling and bi-directional load testing for each pylon foundation with loads up to 15,000 kips.

HONOLULU LIGHT RAIL – HONOLULU, HI / KIEWIT / SHIMMICK TRAYLOR GRANITE JV / HONOLULU AUTHORITY FOR RAPID TRANSIT

Project engineer for bi-directional load testing, integrity testing, and bottom cleanliness testing. 20-mile elevated light railway serving Honolulu and surrounding areas. Designed and performed bi-directional load tests for guideways and stations. Performed bottom cleanliness (Mini-SID) inspections and crosshole sonic logging tests for non-redundant drilled shafts.

WELLSBURG BRIDGE – WELLSBURG, WV TO BRILLIANT, OH / BRAYMAN / FLATIRON / WVDOT

Project manager for drilled shaft load testing, quality control, and integrity testing. Unique tied-arch bridge design spanning the Ohio River to form a new crossing. Designed and oversaw the construction of bi-directional load testing assemblies. Oversaw crosshole sonic logging of large-diameter drilled shaft foundation elements. Modified and oversaw the use of a portable mechanical caliper for drilled shaft dimension and verticality testing.

EXPERTISE:

- product and intellectual property development
- mechanical systems design
- solid modeling and simulation
- complex project management
- construction safety
- non-destructive testing (NDT)
- deep foundations testing and quality control
- vibration monitoring and protection of existing structures
- thermal integrity profiling (TIP)
- low strain integrity testing (PIT)
- parallel seismic testing (PST)
- structural concrete NDT
- ground penetrating radar (GPR)
- sonic NDT methods
- data acquisition systems design
- software development
- electronics design and fabrication



CAROLINE CRAFTON, EI

GEOTECHNICAL ENGINEERING INTERN

EDUCATION:

West Virginia University
Bachelor of Science, 2020
Petroleum Natural Gas Eng.
Geology (Minor)

EXPERIENCE: 3 YRS
YRS AT H2R: 1 YR

CERTIFICATIONS:

PDA Proficiency Test, Intermediate
OSHA 10-Hour Training
Engineer In Training, State of
Florida License # 1100028685

Ms. Crafton has over two years of experience in deep foundation testing, estimation, and project coordination, successfully managing more than 60 projects across the Mid-Atlantic. She specializes in dynamic, static, and integrity testing for deep foundations, utilizing advanced tools such as PDA, CAPWAP, WEAP, CSL, TIP, PIT, and static load testing to ensure accurate performance evaluation. Her proficiency with geotechnical software, including LPILE and DrivenPiles, enables detailed data analysis and comprehensive technical reporting. With a proven ability to execute projects seamlessly, she combines strong communication skills with expertise in client relationship management to ensure successful project delivery. Her experience also includes designing temporary pumping systems, managing project budgets, and overseeing construction-phase operations, providing a versatile and well-rounded foundation for complex geotechnical projects.

D. W. KOZERA – DYNAMIC TESTING ENGINEER, BALTIMORE MD.; 11.2022 - Present

As an engineer specializing in deep foundation testing, Caroline has participated in over 60 projects, utilizing dynamic, static, and integrity testing methods. Her role involves collecting and interpreting data, performing detailed data analysis, and presenting findings in technical reports for Contractors. Caroline operates across multiple states, including MD, DC, VA, NJ, DE, PA, and WV.

Proficient in various testing and analysis methods, including:

- PDA (Pile Driving Analyzer)
- CAPWAP (Case Pile Wave Analysis Program)
- WEAP (Wave Equation Analysis)
- CSL (Cross Hole Sonic Logging)
- TIP (Thermal Integrity Profiler)
- PIT (Pile Integrity Tester)
- Static Load Testing

In addition to technical tasks, Caroline is responsible for daily communication and coordination with Contractors, ensuring fieldwork is properly scheduled and providing ongoing consulting throughout the project. She maintains strong professional relationships beyond contractual obligations. Her duties include reviewing daily field reports and pile driving logs (787 total piles), compiling weekly transmittals for Contractors and Owners, and ensuring that pile driving criteria are consistently met. Caroline is also experienced in developing project proposals by interpreting plans and specifications, particularly for deep foundation construction bids. Caroline has trained and mentored new hires, interns, and coworkers in both field and office responsibilities. She is familiar with geotechnical engineering software such as LPILE and DrivenPiles and possesses additional skills in soil classification (ASTM D2487), soil resistivity testing, piezometer installation, and inclinometer data interpretation.

MERSINO DEWATERING – ESTIMATING ENGINEER, WINDSOR MILL, MD.; 9.2021 - 3.2022

In the role as the estimator at Mersino Dewatering, Caroline led the management and prioritization of all incoming bid leads and municipal pump sales. She gathered critical technical data from project specifications and plans, collaborating closely with contractors to design efficient temporary bypass pumping systems and dewatering solutions. Caroline also oversaw multiple project calculations, ensuring precise system designs and accurate material and labor budgets. Additionally, she prepared basic and formal proposals for federal, commercial, and municipal bids, while handling all pre-qualification, submittal, and approval documentation.

CONCRETE PROTECTION AND RESTORATION, INC. PROJECT ENGINEER / WINDSOR MILL, MD. 9.2021 - 3.2022

As the sole estimator at Mersino Dewatering, Caroline managed and prioritized all incoming bid leads and municipal pump sales. She gathered essential technical data from project specifications and plans, coordinating with contractors to design effective temporary bypass pumping systems and dewatering solutions. Caroline maintained multiple project calculations to ensure accurate system designs and proper material and labor budgeting. She also prepared basic quotes and formal proposals for federal, commercial, and municipal bids, while overseeing the collection and submission of all required documentation for pre-qualifications, submittals, and approvals.



Mark Sowers, PSM

SUE Director / SUR Chief Surveyor

Years of Experience
37

Years with MG
10

Education
Bachelor of Science,
Land Surveying,
University of Florida,
1988

Registrations
Professional Surveyor
& Mapper, Florida
License No.: LS5266,
07/19/1993

Professional Affiliations
Florida Surveying &
Mapping Society

The Transportation and
Expressway Authority
Membership of Florida

Surveying Experience
Manuel G Vera & Assoc.,
Inc (2015 - Present)

Cardno TBE
(2001 - 2015)

FDOT, District 4 (1993 -
2001)

Kimley Horn & Assoc., Inc.
1991 – 1993)

Avirom & Hall
(1990 - 1991)

Keith & Schnars
(1988 - 1990)

Mr. Sowers is a Professional Surveyor & Mapper with 37 years of experience throughout the state of Florida. His responsibilities include managing field operations and establishing standards for consultants as well as final quality assurance / quality control of all deliverables before client submission. He is proficient in the latest industry technology, as well as developing and implementing successful management strategies. Mr. Sowers worked for the Florida Department of Transportation (FDOT), District IV for eight years, four of them as District Surveyor. During his FDOT tenure, Mr. Sowers actively participated in process improvements. He was a chairperson for FDOT's Survey Technical Advisory Committee and a member of the committees responsible for the development and implementation of the staff-hour estimating form and project network control sheet.

Project Experience

FDOT District 4, Districtwide Continuing Services for Survey, Mapping, and SUE (C-AG53)

Task driven contract performing miscellaneous Survey and Mapping services in Broward, Indian River, Martin, Palm Beach, and St. Lucie Counties, and all municipalities within the district. Services include, but are not limited to: Field Surveys, Historical Baseline and Existing Right of Way Determination, Global Positioning System (GPS) Surveys, Monumentation Surveys, Bathymetric Surveys (which includes single beam, multi beam and side scanner sonar capabilities), Utility Designation and Excavation (including Underwater Utilities), Tree Surveys (trees identified by an Arborist or Landscape Architect), Right of Way Control Survey Maps, Right of Way Maps, Maintenance Maps, Right of Way Monumentation Maps, Boundary Surveys, Quality Assurance Reviews, Expert Witness Testimony, Title Search Plotting Maps, Title Document Review and Analysis, Sketches, Parcel Staking, and Legal Descriptions. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 02/2017 thru 02/2022 | Contract Amount: \$5 Million*

FDOT District 4, SR9 at SR-842/Broward Blvd. Interchange

MGV conducted a Design Survey service, during which we established secondary control points as necessary to complete the scope. Additionally, MGV set 5 Mobile LiDAR targets along the southbound ramp from the Tri-Rail station and provided a Topographic/DTM (3D) survey. The survey encompassed drainage structures, including invert, top and bottom elevations, size, and type for pipes, within the extended survey limits, excluding the bridge deck. Mobile LiDAR methods were employed to survey the Southbound/Northbound Tri-Rail HOV Ramp bridge deck, ensuring adherence to F.D.O.T. standards for work zone safety. To facilitate these tasks, 2 extra days were allocated for Maintenance of Traffic (MOT) along the southbound on-ramp from the Tri-Rail station, allowing for the setup of Mobile LiDAR targets, horizontal mapping of the targets, and the completion of a closed bench loop (down and back along the ramp shoulder, considering the absence of vertical control in the centerline of I-95). *Client: Loncher / FDOT District 4 | Roberto Chavez, PSM roberto.chavez@dot.state.fl.us, (954) 777-4574 | 03/15/2022 thru 07/12/2022 | Contract Amount: \$20,797.79*

FDOT District 4, SR 656/17th St. Street Bridge - Vero Beach - CAG53 – TWO 7

MGV was responsible for providing design-survey services. The scope of work included horizontal and vertical control, alignment, and existing R/W lines, topographic/DTM (3D), and implemented work zone safety measures as required by FDOT standards. *FDOT District 4 | Jeffrey D. Smith, PSM - (954) 777-4560, jeffrey.smith@dot.state.fl.us | 04/22 Thru 06/22 | Contract Amount: \$5,241.15*

FDOT D6, Long Key Bridge PD&E

MGV was responsible for providing a Design Survey comprising the following deliverables: the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, preparation of Project



Mark Sowers, PSM

SUE Director / SUR Chief Surveyor

Alignment and Existing R/W Lines, Aerial Lamp and Mobile LiDAR Targets, creation of Topographic survey and Digital Terrain Model (DTM/3D) in 3D laser scanning, Cross Sections, Bridge Survey, Terrestrial Mobile LiDAR, Terrestrial Mobile LiDAR Mission Planning, Project Control Point Coordination, and Channel Survey, as well as ensuring Work Zone Safety. *FDOT District 6 | Zurelys Perez de Alejo (305) 470-5194, zurelys.perezdealejo@dot.state.fl.us | 08/22 thru 02/2023 | Contract Amount: \$73,829.95*

FDOT Turnpike, Miscellaneous Survey and Mapping Services - South Region (C-A957)

This task driven contract is a general services contract for Survey Services covering multiple areas within Florida's Turnpike Enterprise system of toll roads, which includes the Turnpike Mainline from Homestead to Wildwood (SR 821 and SR 91), Sawgrass Expressway (SR 869), Beachline East and West Expressway (SR 528), Southern Connector and Seminole Expressway (SR 417), Polk Parkway (SR 570), Veterans Expressway and Suncoast Parkway (SR 589), Western Beltway (SR 429), 1-4 Connector, and other toll facilities, including Alligator Alley, Garcon Point, Mid-Bay Bridge, Sunshine Skyway Bridge, Pinellas Bayway, and any other toll road or facility that may be under the jurisdiction of Florida's Turnpike Enterprise. The work under this contract will be concentrated in but not limited to the portion of Florida's Turnpike System including SR 91, SR 869, SR 821, and Golden Glades Extension of Florida's Turnpike, in Miami-Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River and Okeechobee Counties. MGVS's services shall include, but are not limited to control survey, design survey, subsurface utility exploration, construction surveying, right of way survey, vegetation survey, control survey map, right of way map, legal descriptions, maintenance map, terrestrial mobile lidar, control survey map, right of way map, legal descriptions, maintenance map, and maintenance of traffic. *FDOT Florida's Turnpike Enterprise | Gary Roche, PSM (407) 264-3637, gary.roche@dot.state.fl.us | 07/2020 thru On-Going | Contract Amount: \$1.5 Million*

FDOT District 4, SR 9 (I-95) Express Lanes Phase 3C Design-Build

This project is Phase 3C of the Department's overall Phase 3 implementation of Express Lanes along the I-95 Corridor within Broward and Palm Beach Counties. MGVS is responsible for providing survey and mapping services, including: the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, topographic/DTM (3D) survey, bridge surveys which include a complete structural control survey of the bridge deck and bottom, supplemental bridge surveys as needed, geotechnical support, and work zone safety. *BCC Engineering, Inc. | Juan Carlos Alcantara, PE (954) 928-1828, calcantara@bcceng.com | 10/2018 thru 10/2023 | Contract Amount: \$482,126.78*

FDOT District 4, SR7 Transit Corridor Improvements

MGVS is responsible for improving the mobility in SW 45th St and Taft St. The objective of this project is to enhance the transit passenger, bicycle, and pedestrian experience, through mobility and safety improvements along Orange Drive and Taft Street. The scope of services includes establishing Horizontal Control on the Florida State Plane Coordinate System, East Zone, and Vertical Control on the North American Datum (NAD) of 1983 / 1990 Adjustment. Alignment with existing R/W lines will be established as per Right of Way Maps, incorporating platted and/or dedicated rights of way along the project limits. Additionally, a Topographic / DTM (3D) survey will be conducted within the project limits from R/W to R/W, along with obtaining cross sections. Surveying of underground utilities within the project limits, within the existing R/W, and a drainage survey will also be conducted. These surveys will identify the type of structure, rim elevation, pipe invert elevation, pipe materials, direction, size, and condition. Additionally, MGVS will provide work Zone Safety as required by FDOT standards. *BCC Engineering | Carlos Alcantara, PE Calcantara@bcceng.com / (954) 928.1828 | 12/29/2021 thru 04/24/2024 (EST.) | Contract Amount: \$152,899*

FDOT District 4, SR 882 (Forest Hill Blvd.)

MGVS is a subconsultant for LOCHNER, Inc., providing surveying and SUE services along Forest Hill Blvd. from W of Forest Ct, the I-95 SB off-ramp, and the I-95 NB off-ramp. Services include Horizontal and Vertical Project Control, establishing vertical elevations on Mobile LiDAR Targets, Mobile LiDAR, Topography/DTM (3D), performing DTM check cross sections, providing Quality Level B utility designates within the project limits. Once the design team reviews the designates, MGVS will provide up to 24 Quality Level A locates (test holes), drainage surveys, bridge survey, sectional/grant survey, recon and locate two blocks west of I-95 to help develop the baseline and R/W west of I-95, terrestrial Mobile LiDAR, and provide work zone safety as required by FDOT standards. *LOCHNER | Edwin Mojena, PE | emojena@hwlochner.com | (305) 503-9873 | 11/2022 through 05/2023 | Contract Amount: \$108,731.29*



James “Jim” Leonhardt, PSM

SUE Support / Senior Surveyor 2

Years of Experience

37

Years with MGV

7

Education

Bachelor of Science,
Surveying and
Mapping,
University of Florida,
1988

Registrations

Professional Surveyor
& Mapper, Florida
License No.: 5800
2/2/1998

Licensed Surveyor,
South Carolina
License No.: 21634
2002

Surveying Experience

Manuel G Vera & Assoc.,
Inc (2018 - Present)

Inframap Corporation
(1997-2018)

Kimley-Horn &
Associates, Inc.
(1995-1996)

Keith and Schnars,
P.A.
(1988-1991)



Mr. Leonhardt is a Professional Surveyor and Mapper with 37 years of experience in land surveying and GIS implementation. He has extensive expertise in Arc/Info programming for GIS mapping and has developed Data Collection and Processing Standards tailored to meet client-specific needs. Throughout his career, Mr. Leonhardt has become highly proficient in processing survey data, including EFB data, and computer drafting. He specialized in producing right-of-way mapping using CAiCE software, analyzing field-collected data, and utilizing MicroStation for drafting. Additionally, he has conducted in-depth research of title documents for various roadway projects.

Project Experience

FDOT District 4, Districtwide Continuing Services for Survey, Mapping, and SUE (C-AG53)

Task driven contract performing miscellaneous Survey and Mapping services in Broward, Indian River, Martin, Palm Beach, and St. Lucie Counties, and all municipalities within the district. Services include, but are not limited to: Field Surveys, Historical Baseline and Existing Right of Way Determination, Global Positioning System (GPS) Surveys, Monumentation Surveys, Bathymetric Surveys (which includes single beam, multi beam and side scanner sonar capabilities), Utility Designation and Excavation (including Underwater Utilities), Tree Surveys (trees identified by an Arborist or Landscape Architect), Right of Way Control Survey Maps, Right of Way Maps, Maintenance Maps, Right of Way Monumentation Maps, Boundary Surveys, Quality Assurance Reviews, Expert Witness Testimony, Title Search Plotting Maps, Title Document Review and Analysis, Sketches, Parcel Staking, and Legal Descriptions. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 11/2021 thru On-Going | Contract Amount: \$5 Million*

Village of Pinecrest, Kendall Drive Shared Use Path

MGV was responsible for providing design-survey and subsurface utility designating and locating services. Scope of services included: Horizontal and Vertical control, Survey Baseline and Right of Way, Topographic survey was performed from right of way to right of way and 10' south of the south right of way along the project limits. The survey will extend approximately 50-ft along intersecting side streets. All above ground features and improvements, break-lines, high and low points will be located with sufficient density of points to create a DTM. All topographic features will be located including existing lighting, pavement markings, trees, pedestrian ramps, driveways, visible above ground utilities, sodded and paved areas, pedestrian ramps, drainage structures, etc. The incoming bus driveway area is located on the west side of the station, and it is under the existing station garage structure. MGV also provided Utility Designates/scans for up to 4 areas (quadrants for mast arms or 10' radius scans for drainage structures). Once the design team reviewed the Utility Designates, MGV provided up to 25 Utility Locates (Test Holes) on specific utility conflicts as identified by the EOR. A drainage survey was performed and identified the type of structure, rim elevation, pipe invert elevation, pipe materials, direction, size and condition. Sectional/Grant Survey and Subdivision locations, Work Zone Safety, as well as Project Network Control Sheets were provided. *Kimley Horn | Leo Almonte, PE (305) 535-7750, leo.almonte@kimley-horn.com | 01/2022 thru 06/2022 | Subcontract Amount: \$66,021.40*

Ranches Neighborhood Drainage Improvements

MGV is responsible for providing comprehensive surveying and mapping services, which includes capturing LiDAR data along the side street corridors of the project. The scope also involves processing and exporting the final point cloud, adjusted to the control values provided by the Prime Company. *Craven Thompson & Associates Adolfo A. Gonzalez, PE, LEED AP (954) 739.6400, agonzalez@craventhompson.com | 08/2022 thru Ongoing | Contract Amount: \$35,000*

James “Jim” Leonhardt, PSM

SUE Support / Senior Surveyor 2

FDOT District 4, SR 816 (Oakland Park Blvd) at NW 31st Ave.– CAG53 TWO#41 – FM No. 447546 1 32 01

MGV is responsible for providing the following services: the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, Alignment and Existing Right of Way Lines, Mobile LiDAR targets, Topographic survey and Digital Terrain Model (DTM/3D) in 3D laser scanning, Planimetric in 2D laser scanning, Roadway Cross Sections/Profiles, Drainage Survey, Underground Utilities, Subdivision Location, Project Control Network, and Terrestrial Mobile LiDAR. MGV provides work zone safety as required by FDOT standards. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 05/26/2023 thru On-Going | Contract Amount: \$37,027.38*

Pembroke Rd. (US 27-SW 160 Ave) Miramar- Mobile LiDAR

MGV conducted a Mobile LiDAR service for Pembroke Rd. (US 27-SW 160 Ave) in Miramar. The deliverables for this project include Mobile LiDAR control target specifications and location requirements, calibrated LiDAR point clouds in State Plane Coordinates (.PTS format), undistorted and georeferenced digital photography for the project corridor (JPG format), a tiling scheme to be provided (shapefile, Microstation, or AutoCAD), and the Cyclone file. *Craven Thompson | Richard D. Pryce, PLS/PSM rpryce@craventhompson.com (954) 739-6400 | 02/01/2022 thru 03/25/2022 | Contract Amount: \$20,000*

MD-DTPW, Design-Build Criteria Package for the Dadeland South Intermodal Station Project

MGV was responsible for the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks. The survey baseline and right of way were established along the South-Dade Transitway and all intersecting side streets. The Topographic and DTM Survey was performed from right-of-way to right of way along the project limits and all intersecting side-streets. Check cross sections were performed. A drainage survey was performed within the project limits, and identified the type of structure, rim elevation, pipe invert elevation, pipe materials, direction, size, and condition. The survey consisting of field locations of section corners, 1/4-section corners, and fractional corners as well as block closures, monument lines, etc., was performed to establish the right of way lines along all intersecting side-streets. Work zone safety was provided, and PNC sheets were prepared. A bridge survey was also performed on the Northbound entrance to SR 826 over the existing transit corridor and the Metrorail bridges over Datran Drive. MGV also provided Utility Designates (Horizontal Mapping) throughout the project limits. Utility scans were performed within a 5' radius of each proposed boring location, including one exploratory test hole completed at the approximate boring location as well as one test hole on each utility detected within 5' radius. A total of 20 test holes were performed in the following boring locations: Borings for bridge 6 (B-1 to B-6), Borings for walls 2 (WB-1 and WB-2), and Percolation Tests 2 (P-1 and P-2). *AECOM | Ed Palacio, PE (305) 513-3502, ed.palacio@aecom.com | 03/2019 thru 12/2019 | Subcontract Amount: \$114,965.50*

FDOT District 4, SR 9/I-95 from North of Gateway Boulevard to South of Lantana Road

MGV is responsible for providing the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, Alignment and Existing Right of Way Lines, Reference Points, Topographic survey and Digital Terrain Model (DTM/3D) in 3D laser scanning, Planimetrics, Roadway Cross Sections/Profiles, Side Street Surveys, Underground Utilities, Drainage Survey, Jurisdiction Line Survey, Sectional Grant Survey, Subdivision Location, Miscellaneous Surveys, Supplemental Surveys, Document Research, Field Review, Quality Assurance/Quality Control, Supervision, and Coordination. *American Consulting Engineers of Florida | Chris O' Reilly (561) 253-9550, coreilly@acp-fl.com | 05/2018 thru On-Going | Survey Cost: \$256,828.40*

FDOT District 6, SR 976/SW 40 St/Bird Rd from East of SR 826 to SW 58 Ave

MGV was responsible for performing 28 utility test holes throughout the project and 4 sites scans/utilities designates. *Caltran Engineering Group | Juan S. Calderon, PE, P.T.O.E. jcalderon@caltrangroup.com (786) 456-7700 | 01/2022 thru 09/2023 | Contract Amount: \$67,396.12*

City of West Park, SW 21 Street Complete Street Improvement from SR 7 to SW 40th Ave.

MGV was responsible for performing Subsurface Utility Engineering Services, including Subsurface Utility Designation-Quality Level B, Subsurface Utility Locates - Quality Level A, and Survey Support. *R.J. Behar & Company, Inc. | Paola Riveros, PE, priveros@rjbear.com, (954) 680-7771 | 02/15/2022 thru 08/31/2022 | Contract Amount: \$3,600.00*



Carlos Alonso, PSM, EI

Lead / SUR Senior Surveyor 2

Years of Experience
27

Years with MG
20

Education
BS Civil Engineering,
Florida International
University, 2007

AS Land Surveying,
Miami Dade College,
2003

Registrations
Professional
Surveyor & Mapper,
Florida License No.:
LS6669 07/22/2008

Engineering Intern,
Florida License No.:
1100011603,
07/03/2007

Professional Affiliations
Surveying & Mapping
Society of Florida

Surveying Experience
Manuel G Vera &
Assoc., Inc (2005-
Present)

Weidner Surveying &
Mapping (1999-2005)

Fernando Z. Gatel, Inc.
(1998-1999)

Weidner Surveying &
Mapping (1997-1998)

Mr. Carlos Alonso is one of our licensed Surveyor & Mappers on staff. Mr. Alonso has over 27 years of experience in the surveying field. He is proficient with CAICE, GEOPAK, Microstation, AutoCAD, Trimble, GPSurvey, and Trimble Geomatics Office, Hector, EFBP, Terramodel as well as numerous other survey and office software. In addition, he has field experience with several instruments and data collectors including Trimble GPS units, TSC1, TSCE, ACU, Robotic Total Stations, and levels, Ashtech GPS units and a variety of other total stations, levels, and instruments. Mr. Alonso is up to date with the current technology and is well trained with the latest technology, Laser Scanning. He is very familiar with the preparation of: Design Surveys, Right-of-Way Control Surveys, Right-of-Way Mapping, Construction Layouts, As-built Surveys, Drainage Surveys, and many more.

Project Experience

FDOT District 4, Continuing Services for Survey, Mapping, and SUE (C-AG53)

Task driven contract performing miscellaneous Survey and Mapping services in Broward, Indian River, Martin, Palm Beach, and St. Lucie Counties, and all municipalities within the district. Services include, but are not limited to: Field Surveys, Historical Baseline and Existing Right of Way Determination, Global Positioning System (GPS) Surveys, Monumentation Surveys, Bathymetric Surveys (which includes single beam, multi beam and side scanner sonar capabilities), Utility Designation and Excavation (including Underwater Utilities), Tree Surveys (trees identified by an Arborist or Landscape Architect), Right of Way Control Survey Maps, Right of Way Maps, Maintenance Maps, Right of Way Monumentation Maps, Boundary Surveys, Quality Assurance Reviews, Expert Witness Testimony, Title Search Plotting Maps, Title Document Review and Analysis, Sketches, Parcel Staking, and Legal Descriptions. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | Role: Principal-In-Charge | 11/2021 thru On-Going | Contract Amount: \$5 Million*

FDOT District 6, Districtwide Miscellaneous Location Survey Consultant (C-AF57)

Task driven contract performing miscellaneous Location Surveys in Miami-Dade and Monroe Counties, and all municipalities within the district. MG is responsible for all necessary professional surveying and mapping services to support topographic and mapping projects. Most of these services utilize a combination of mobile surveying and mapping technologies with GNSS and conventional survey technologies for ground control, quality assurance, and supplementary topographic map data when necessary. The surveys will include, but not be limited to: terrestrial mobile LiDAR surveying & mapping, ground control, scheduling of activities, drainage information, design level surveys, specific purpose surveys, acquisition parcel stakeout, project control network, right of way control survey maps, acquisition right of way maps, maintenance maps, retracement, recovery, and analysis of historical baselines of survey, boundary surveys, parcel sketches, legal descriptions, and properties title analysis. *FDOT District 6 | Zurelys Perez de Alejo (305) 470-5194, zurelys.perezdealejo@dot.state.fl.us | 09/2021 thru On-Going | Contract Amount: \$1.5 Million*

SR814/Atlantic Blvd. from NW 27th Ave. to NW 16th Ave.

This RRR project runs along Atlantic Blvd (Roadway ID: 86130000) in Broward County from NW 27th Ave (MP 3.591) to NW 16th Ave (MP 4.591). The existing typical section consists of a 6-lane divided Urban Minor Arterial with 11'-12' travel lanes, type F curb & gutter and sidewalk on both sides. The intent of the project is to mill and resurface the existing pavement, provide signal upgrades at the signalized intersections, and replace non-compliant pedestrian curb ramps. MG is responsible for performing the necessary survey tasks to gather sufficient survey data to complete a Design Survey. The scope of services includes Horizontal and Vertical Control, Alignment, and existing R/W lines, Topographic



Carlos Alonso, PSM, EI

Lead / SUR Senior Surveyor 2

survey/DTM (3D), Roadway Cross sections, Underground utilities, Mobile LiDAR targets, and Drainage survey. *BCC Engineering | Anthony Jorge, PE ajorges@bcceng.com (305) 670-2350 | 12/27/2021 thru 09/06/2024 | Contract Amount: \$81,452.58*

MD-DTPW, Miami to Miami Beach Light Rail / Modern Streetcar (Miami Beach Corridor Connector) PD&E

Project Limits: Miami Transit Connector from Alton Road and 5th Street in Miami Beach west along the MacArthur Causeway (I-395), south along Biscayne Boulevard to Government Center station and north along NW/NE 1st Avenue and North Miami Avenue to NE 41st Street in Midtown Miami. MGCV is performing adequate research to graphically establish the existing right of way for planning purposes of the Miami portion of the project limits, and design survey tasks will be performed: horizontal project network control; survey baseline and right of way; topographic/DTM survey performed along the MacArthur Causeway; topographic (2D) survey will be performed from right of way to right of way and will extend to the radius return on all intersecting side-streets along the project limits; sectional survey and subdivision locations for survey baseline and right of way lines; miscellaneous survey locating vertical clearances over pavement signaling mast arms, bridges, and signs; PNC sheets with horizontal values only, as well as station and off-set for the entire project limits; and provide work zone safety. *Parsons Transportation Group, Inc. | Odalys Delgado, AICP (305) 507-5583, odalys.delgado@parsons.com | 06/2017 thru 12/2019 | Subcontract Amount: \$550,948.67*

Port of Miami - Provisioning Building (Between Terminal D & E)

MGV was responsible for performing surveying services, including a topographic survey in which we located all ground features, drainage, and sewer structures, and collected data on the pipes' material, diameter, invert, rim, and bottom elevations. *Bermello Ajamil & Partners, Inc. Raul Carreras (786) 470-3823, rcarreras@bermelloajamil.com | 06/2022 thru 07/2022 | Contract Amount: \$13,375.00*

FDOT District 6, Districtwide Right of Way Monumentation Consultant Contract (C-A146)

Task driven contract performing Right of Way Monumentation and Right of Way Monumentation Mapping services in Miami-Dade and Monroe Counties, and all municipalities within the district. These services include but are not limited to the preparation of Right of Way Control Surveys, Right of Way Maps, Boundary Surveys, Title Search Reviews, and Right of Way Monumentation to include an annotation and recordation of Right of Way Maps once the Monumentation is complete. *FDOT District 1 | Ryan Kuhn, PSM (863) 519-2337, ryan.kuhn@dot.state.fl.us | Role: Principal-In-Charge | 10/2019 thru On-Going | Contract Amount: \$1.5 Million*

FDOT District 4, SR 84, SW 4 Ave to SR 5 – CAG53 TWO#42 – FM No. 447552 1 32 01

MGV is responsible for providing the following services: the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, Alignment and Existing Right of Way Lines, Mobile LiDAR targets, Topographic survey, and Digital Terrain Model (DTM/3D) in 3D laser scanning, Roadway Cross Sections/Profiles, Drainage Survey, Section/Grant Survey, Underground Utilities, Subdivision Location, Project Control Network, and Terrestrial Mobile LiDAR. MGV provides work zone safety as required by FDOT standards. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 05/26/2023 thru On-Going | Contract Amount: \$123,573.22*

FDOT District 4, SR 816 (Oakland Park Blvd) at NW 31st Ave.– CAG53 TWO#41 – FM No. 447546 1 32 01

MGV is responsible for providing the following services: the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, Alignment and Existing Right of Way Lines, Mobile LiDAR targets, Topographic survey, and Digital Terrain Model (DTM/3D) in 3D laser scanning, Planimetric in 2D laser scanning, Roadway Cross Sections/Profiles, Drainage Survey, Underground Utilities, Subdivision Location, Project Control Network, and Terrestrial Mobile LiDAR. MGV provides work zone safety as required by FDOT standards. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 05/26/2023 thru On-Going | Contract Amount: \$37,027.38*

FDOT District 4, SR 882 (Forest Hill Blvd.) - CAH74 -CAH74 - 1

MGV is a subconsultant for LOCHNER, Inc., providing surveying and SUE services along Forest Hill Blvd. from W of Forest Ct, the I-95 SB off-ramp, and the I-95 NB off-ramp. Services include Horizontal and Vertical Project Control, establishing vertical elevations on Mobile LiDAR Targets, Mobile LiDAR, Topography/DTM (3D), performing DTM check cross sections, providing Quality Level B utility designates within the project limits. Once the design team reviews the designates, MGV will provide up to 24 Quality Level A locates (test holes), drainage surveys, bridge survey, sectional/grant survey, recon and locate two blocks west of I-95 to help develop the baseline and R/W west of I-95, terrestrial Mobile LiDAR, and provide work zone safety as required by FDOT standards. *LOCHNER | Edwin Mojena, PE | emojena@hwlochner.com | (305) 503-9873 | 11/2022 through 05/2023 | Contract Amount: \$108,731.29*



Christopher Miller, PSM

SUR Senior Surveyor 2

Years of Experience

37

Years with MGV

10

Education

Bachelor of Science,
Surveying and
Mapping,
University of Florida,
1992

Registrations

Professional Surveyor
& Mapper, Florida
License No.: 5921
1/19/1998

Professional Affiliations

Florida Surveying &
Mapping Society

National Society of
Professional Surveyors

Surveying Experience

Manuel G Vera &
Associates, Inc. (2015-
current)

Cardno (2003 to 2015)

Calvin, Giordano &
Associates (1996 to
2003)

Jackson and Murphy
Land Surveying (1989
to 1996)

Dennis R. Poore Land
Surveying (1987 to
1989)



Mr. Miller has more than 37 years of surveying experience in Miami-Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River, Orange, Osceola, Volusia, and Lake Counties, Florida. His experience encompasses the preparation of project network control maps, right-of-way control surveys, right-of-way maps, legal and sketches, boundary surveys, as well as topographic surveys. He is proficient in computer operations, having worked extensively in MicroStation, AutoCADD, Geopak, EFBP, CAICE, Trimble TTC/TBC, Trimble TA/RTK, and GPS Hector the Vector.

Project Experience

FDOT District 4, Continuing Services for Survey, Mapping, and SUE (CAG53) - 429258-7-32-01

Surveying and mapping services for this contract include, but are not limited to: Mobile Lidar, Field Surveys, Maintenance of Traffic (MOT), Historical Baseline and Existing Right of Way Determination, Global Positioning System (GPS) Surveys, Monumentation Surveys, Bathymetric surveys (which includes single beam, multi beam and side scanner sonar capabilities), Utility Designation and Excavation (including Underwater Utilities), Tree Surveys (trees identified by an Arborist or Landscape Architect), Right of Way Control Survey Maps, Right of Way Maps, Maintenance Maps, Right of Way Monumentation Maps, Boundary Surveys, Quality Assurance Reviews, Expert Witness Testimony, Title Search Plotting Maps, Title Document Review and Analysis, Sketched, Parcel Staking, and Legal Descriptions. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 11/2021 thru 11/2026 | Contract Amount: \$5 Million*

FDOT District 6, Districtwide Miscellaneous Location Survey Consultant (C-AF57)

Task driven contract performing miscellaneous Location Surveys in Miami-Dade and Monroe Counties, and all municipalities within the district. MGV is responsible for all necessary professional surveying and mapping services to support topographic and mapping projects. Most of these services utilize a combination of mobile surveying and mapping technologies with GNSS and conventional survey technologies for ground control, quality assurance, and supplementary topographic map data when necessary. The surveys will include, but not be limited to: terrestrial mobile LiDAR surveying & mapping, ground control, scheduling of activities, drainage information, design level surveys, specific purpose surveys, acquisition parcel stakeout, project control network, right of way control survey maps, acquisition right of way maps, maintenance maps, retracement, recovery, and analysis of historical baselines of survey, boundary surveys, parcel sketches, legal descriptions, and properties title analysis. *FDOT District 6 | Zurelys Perez de Alejo (305) 470-5194, zurelys.perezdealejo@dot.state.fl.us | 09/2021 thru On-Going | Contract Amount: \$1.5 Million*

FDOT District 4, Districtwide Continuing Services for Survey, Mapping, and SUE (C-AG53) | FPID: 429258-7-32-01

Task driven contract performing miscellaneous Survey and Mapping services in Broward, Indian River, Martin, Palm Beach, and St. Lucie Counties, and all municipalities within the district. Services include, but are not limited to: Field Surveys, Historical Baseline and Existing Right of Way Determination, Global Positioning System (GPS) Surveys, Monumentation Surveys, Bathymetric Surveys (which includes single beam, multi beam and side scanner sonar capabilities), Utility Designation and Excavation (including Underwater Utilities), Tree Surveys (trees identified by an Arborist or Landscape Architect), Right of Way Control Survey Maps, Right of Way Maps, Maintenance Maps, Right of Way Monumentation Maps, Boundary Surveys, Quality Assurance Reviews, Expert Witness Testimony, Title Search Plotting Maps, Title Document Review and Analysis, Sketches, Parcel Staking, and Legal

Christopher Miller, PSM

SUR Senior Surveyor 2

Descriptions. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 11/2021 thru On-Going | Contract Amount: \$5 Million*

FDOT Turnpike, Miscellaneous Survey and Mapping Services - South Region (C-A957) | FPID: 190747-5-32-14

This task driven contract is a general services contract for Survey Services covering multiple areas within Florida's Turnpike Enterprise system of toll roads, which includes the Turnpike Mainline from Homestead to Wildwood (SR 821 and SR 91), Sawgrass Expressway (SR 869), Beachline East and West Expressway (SR 528), Southern Connector and Seminole Expressway (SR 417), Polk Parkway (SR 570), Veterans Expressway and Suncoast Parkway (SR 589), Western Beltway (SR 429), 1-4 Connector, and other toll facilities, including Alligator Alley, Garcon Point, Mid-Bay Bridge, Sunshine Skyway Bridge, Pinellas Bayway, and any other toll road or facility that may be under the jurisdiction of Florida's Turnpike Enterprise. The work under this contract will be concentrated in, but not limited to the portion of Florida's Turnpike System including SR 91, SR 869, SR 821, and Golden Glades Extension of Florida's Turnpike, in Miami-Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River and Okeechobee Counties. MGVS's services shall include, but are not limited to: control survey, design survey, subsurface utility exploration, construction surveying, right of way survey, vegetation survey, control survey map, right of way map, legal descriptions, maintenance map, terrestrial mobile lidar, control survey map, right of way map, legal descriptions, maintenance map, and maintenance of traffic. *FDOT Florida's Turnpike Enterprise | Gary Roche, PSM (407) 264-3637, gary.roche@dot.state.fl.us | 07/2020 thru On-Going | Contract Amount: \$1.5 Million*

FDOT District 1, Districtwide Right of Way Monumentation Consultant Contract (C-A615) | FPID: N/A, Task Work Order Based

Task driven contract performing Right of Way Monumentation and Right of Way Monumentation Mapping services in Miami-Dade and Monroe Counties, and all municipalities within the district. These services include but are not limited to the preparation of Right of Way Control Surveys, Right of Way Maps, Boundary Surveys, Title Search Reviews, and Right of Way Monumentation to include annotation and recordation of Right of Way Maps once the Monumentation is complete. *FDOT District 1 | Ryan Kuhn, PSM (863) 519-2337, ryan.kuhn@dot.state.fl.us | 10/2019 thru On-Going | Contract Amount: \$1.5 Million*

FDOT District 5, I-95 Interchange at LPGA Boulevard | FPID: 408429-2-32-01

The project is developed from the finding recorded in the Interchange Modification Report (IMR) for I-95 at LPGA Boulevard Interchange from 2019. The scope of the project is to modify the existing cloverleaf interchange on I-95 (SR 9) at LPGA Boulevard to a Double Crossover Diamond Interchange (DCDI) and widen LPGA Boulevard from 4-lanes to 6-lanes (expandable to 8-lanes) from West of Tomoka Farms Road to East of Outlet/Technology Boulevard. MGVS is responsible for the following survey deliverables: horizontal and vertical project control; alignment and existing right of way; mobile lidar targets; DTM/Topographic survey; roadway cross sections/profiles; underground utilities (quality level B designates, and quality level A locates; drainage survey; bridge survey, channel survey, and pond survey. *Parsons Transportation Group, Inc. | Rhet L. Schmidt, PE (904)-596-1410, rhet.schmidt@parsons.com | 05/2019 thru On-Going | Subcontract Amount: \$610,547.00*

FDOT District 4, SR 9 (I-95) Express Lanes Phase 3C Design-Build

This project is Phase 3C of the Department's overall Phase 3 implementation of Express Lanes along the I-95 Corridor within Broward and Palm Beach Counties. MGVS is responsible for providing survey and mapping services, including: the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, topographic/DTM (3D) survey, bridge surveys which include a complete structural control survey of the bridge deck and bottom, supplemental bridge surveys as needed, geotechnical support, and work zone safety. *BCC Engineering, Inc. | Juan Carlos Alcantara, PE (954) 928-1828, calcantara@bcceng.com | 10/2018 thru 10/2023 (Est.) | Subcontract Amount: \$482,126.78*

FDOT District 4, Districtwide Continuing Services for Survey, Mapping, and SUE (C-9T24)

Surveying and mapping services for this contract include, but are not limited to: Mobile Lidar, Field Surveys, Maintenance of Traffic (MOT), Historical Baseline and Existing Right of Way Determination, Global Positioning System (GPS) Surveys, Monumentation Surveys, Bathymetric surveys (which includes single beam, multi beam and side scanner sonar capabilities), Utility Designation and Excavation (including Underwater Utilities), Tree Surveys (trees identified by an Arborist or Landscape Architect), Right of Way Control Survey Maps, Right of Way Maps, Maintenance Maps, Right of Way Monumentation Maps, Boundary Surveys, Quality Assurance Reviews, Expert Witness Testimony, Title Search Plotting Maps, Title Document Review and Analysis, Sketched, Parcel Staking, and Legal Descriptions. *FDOT District 4 | Jeffery Smith (954) 777-4560, jeffery.smith@dot.state.fl.us | 02/2017 thru 02/2022 | Contract Amount: \$5 Million*



William "Garth" Thompson

Senior Utility Coordinator

Mr. Thompson brings his 19 years of experience in underground utility location and conflict resolution, serving clients both public and private on projects to the utility coordination of transportation projects. He also attends the triannual FUCC meetings and the FDOT Utility Liaison Conferences. Mr. Thompson is actively engaged with multiple Local Utility Coordinating Committee meetings throughout the state that establishes, builds, and maintains relationships between Utility Agency Owners, Project Clients, and Governmental agencies.

Years of
Experience
19

Years with MG
V
2

Education

Bachelor of Science,
Education, Jacksonville
State University, 2010

Registrations

Marion County Utility
Coordinating Group – Past
Chair

Central Florida Utility
Coordinating Group
(CFUCG)

FDOT District 1 Utility
Liaison Planning Committee

Florida Utilities
Coordinating Committee
(FUCC) – Underground
Committee Co-Chair

FDOT District 5 Utility
Liaison Committee Chair

Surveying Experience

Manuel G Vera &
Associates, Inc. (2023-
current)

GPI, Inc. (2020-2023)

Diversified Underground
Solutions,
(2019-2020)

USIC (2006-2019)



Project Experience

Venetian Causeway Bridge Replacement, Miami-Dade County, Florida

MGV was responsible for providing Subsurface Utility Engineering and Utility Coordination services, which encompassed the following deliverables: Up to 10 Quality Level A utility locates (test holes), with each locate (test hole) including horizontal coordinates, depth of cover, elevation, size, type, material, and general direction of each identified utility. Additionally, the services included Utility Coordination Services, Advanced MOT for lane closure, and securing permits. *EAC | Enrique Crooks, PE (305) 265-5400, rcrooks@aeconsult.com | 05/03/2022 thru On-going | Contract amount \$77,054.93*

FDOT District 4, SR 9/I-95 & 10th Avenue North Interchange Modifications This project consists of modifying the existing Diamond Interchange by widening the existing 10th Ave North bridge over I-95 and the bridge over the South Florida Rail Corridor to accommodate the DDI. Utility Coordination services include coordination with the following 8 UAOs: AT&T Distribution, City of Lake Worth Beach (Water, Sewer, Electric), Comcast, Crown Cable NG (Fiber), Florida Public Utilities Co., Hotwire Communications, MCI, and Palm Beach County Traffic Operations. *WSP | Yamila Hernandez, PE (305) 514-6154, yamila.hernandez@wsp.com | 12/2021 thru On-Going | Subcontract Amount: \$17,706.24*

FDOT District 4, SR-A1A Sebastian Inlet Bridge Replacement

MGV is responsible for delivering comprehensive Surveying and Utility Coordination services for this design project, which involves replacing the existing SR-A1A bridge over the Sebastian Inlet (Bridge ID 880005) with a new bridge. The new structure will feature a typical section consisting of two 12-foot travel lanes, two 8-foot shoulders, and two barrier-separated 12-foot shared-use paths. *Transystems Corporation | Ian N. Biava, PSM, (954)653-4700, ibiava@transystems.com | 11/01/2022 to Ongoing | Contract Amount: \$12,479.37*

FDOT District 4, Cove Road (SR76/Kanner Highway to SR/US 1)

MGV is responsible for delivering Utility Coordination services for this PD&E project. This Martin County MPO priority project aims to reconstruct Cove Road (off-system) from SR-76/Kanner Highway to SR-5/US-1. The project includes urbanization, constructing a median, widening the road from 2 lanes to 4 lanes, and adding a bike lane in each direction. It will upgrade existing signalized intersections and evaluate and propose new signalization where needed. Additional improvements include a new drainage system with retention basins, lighting, signage, pavement markings, sidewalks, and a shared-use path. The project will also connect to the I-95 ITS system to provide drivers with real-time information on Cove Road. *Inwood | David Dangel, PE, (407) 815.3583, ddangel@inwoodinc.com | 05/2024 to Ongoing | Contract Amount: \$17,269.37*

FDOT D5, Utilities Continuing Services Contract (2021-2026) - The contract includes utility coordination services, utility certifications, phase reviews of construction plans, attendance project development meetings on projects developed by the District in-house staff, project management oversight assignments and other assignments as directed by District 5 Utility Office. Provided Utility

William “Garth” Thompson

Senior Utility Coordinator

Coordination, Utility Project Management and support for FDOT District 5. Over 35 task work order assignments have been assigned to date. Acted as Utility Coordination Manager for several TWOs in this contract.

FDOT D5, Districtwide Utilities Design Contract (2016-2021) -The contract includes utility coordination services, utility certifications, phase reviews of construction plans, attendance at project development meetings on projects developed by the District in-house staff, provide project management oversight on a variety of assignments as directed by District 5 Utility Office. Responsible for performing utility coordination services for the contract with FDOT District 5. Over 25 task work order assignments and 30 miscellaneous non-task work order assignments. Provided utility coordination support on this contract.

FDOT District 5, Continuing Services Contract for TSM&O Design This contract includes miscellaneous design assignment issued on a Task Work Order (TWO) basis. TWO's can include designs services for any discipline related to roadways. Assignments have included: SR 438 at Pioneer Road, Movable Bridges, NASA Bridge. Providing utility coordination on this contract. *Parsons | Mathew Wilson, PE (772) 519-6800, Matthew.Wilson@parsons.com - Corey Quinn, PE 407-748-5662 corey.quinn@parsons.com | TWO #01 Movable Bridge Pedestrian Detection Design \$40,041.60, 10/22-10/23 – TWO #07 Signal Design for SR35 at SE 85th Lane/Juniper Road \$14,055.00 09/23-09/24 – TWO #06 Signal Design for SR44 and Waycross Avenue \$10,812.45 06/23-09/23 – TWO #11 NASA Causeway Bridge Load/Strain \$19,903.68 (Budget) 01/24-Ongoing.*

FDOT District 5, Continuing Services Contract for Roadway Design #24 This contract includes miscellaneous design assignment issued on a Task Work Order (TWO) basis. TWO's can include designs services for any discipline related to roadways. Assignments have included: SR 50 and SR 40. Provided utility coordination on this contract.

FDOT District 5, PD&E Study of SR401 Bridge Replacement at Port Canaveral, Brevard County, Florida MGv is responsible for delivering comprehensive Surveying, Subsurface Utility Engineering (SUE), and Utility Coordination services. The scope of work encompasses Preliminary Project Research, establishment of Wetland Jurisdictional Lines and Assessments, conducting wildlife surveys, and the completion and submission of all necessary Wetland Permit applications. These tasks ensure that the project complies with environmental regulations and that all utilities are accurately identified and coordinated to prevent conflicts during construction. *Burgess & Nipple, Inc. | Steven Bronzell, PE, RSP, (863) 962-8689, steven.bronzell@burgessnipple.com | 04/2024 to Ongoing | Contract Amount: \$142,368.59*

FDOT District 5, SR 50 from US 441 to W of Ellwood Avenue, Orange County, FL Project Includes the milling and resurfacing, upgrades to mast arms, pedestrian bridge updates, as well as other safety improvements. Serving as the District Utility Project Manager responsible for managing the utility coordinator, completing the certification, utility permit reviews and construction support.

FDOT District 5, SR 60 EB & WB from Blanket Bay Slough to Peavine Trail, Osceola County, FL Project Includes the milling and resurfacing, guardrail, and passing lane updates, as well as other safety improvements. Serving as the District Utility Project Manager responsible for managing the utility coordinator, completing the certification, utility permit reviews and construction support.

FDOT District 5, US 1 from Mullaly Street to Fairview Avenue, Volusia County, FL Project Includes the milling and resurfacing, signal upgrade to mast arms, intersection reconstruction, as well as other safety improvements. Serving as the District Utility Project Manager and Utility Coordinator, utility permit review and construction support.

FDOT District 5, US 1 from Bellevue Avenue, Volusia County, FL Project Includes the milling and resurfacing, signal upgrade to mast arms, intersection reconstruction, as well as other safety improvements. Serving as the District Utility Project Manager and Utility Coordinator, utility permit review and construction support.

FDOT District 5, I-4/SR400 from World Drive to Orange County Line, Osceola County, FL Project Includes the milling and resurfacing and other safety improvements. Serving as the District Utility Project Manager and Utility Coordinator, utility permit review and construction support.

FDOT District 5, SR 500 from Hibiscus Road to Brevard County Line, Osceola County, FL Project Includes the milling and resurfacing, curb returns, and other safety improvements. Serving as the District Utility Project Manager responsible for managing the utility coordinator, completing the certification, utility permit reviews and construction support.

Maurice “Sonny” Lapoint

Utility Coordinator

Years of Experience

6 years

Years with MG

1 year

Education

Bryant & Stratton College
Associates Business
Management & Marketing

Professional Affiliations

Central Florida Utility
Coordinating Group
(CFUCG)

Florida Utilities
Coordinating Committee
(FUCC)

FDOT District 5 Utility
Liaison

FDOT District 3 Utility
Liaison

FDOT District 2 Utility
Liaison

Surveying Experience

Manuel G Vera &
Associates, Inc. (2024-
current)

McKim & Creed (2020-
2024)

Diversified Underground
Solutions,
(2019-2020)

Mr. LaPoint has 6 years of experience as a Utility Coordinator. He has been trained to provide services for underground utility location and conflict resolutions, serving clients both public and private on transportation projects. Mr. LaPoint attends the tri-annual FUCC meetings and the FDOT Utility Liaison Conferences. Mr. LaPoint is actively engaged with multiple Local Utility Coordinating Committee meetings throughout the state that establishes, builds, and maintains relationships between Utility Agency Owners, Project Clients, and Governmental agencies.

Project Experience

FDOT District 4, SR-A1A Sebastian Inlet Bridge Replacement

MGV is responsible for delivering comprehensive Surveying and Utility Coordination services for this design project, which involves replacing the existing SR-A1A bridge over the Sebastian Inlet (Bridge ID 880005) with a new bridge. The new structure will feature a typical section consisting of two 12-foot travel lanes, two 8-foot shoulders, and two barrier-separated 12-foot shared-use paths. *Transystems Corporation | Ian N. Biava, PSM, (954)653-4700, ibiava@transystems.com | 11/01/2022 to Ongoing | Contract Amount: \$12,479.37*

FDOT District 4, Cove Road (SR76/Kanner Highway to SR/US 1)

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FDOT District 5, (TURNPIKE RAMP) US192/ E Bronson Hwy/13 St/Vine St from Main St to Aeronautical Drive, Osceola County, Florida

MGV is responsible for delivering comprehensive Surveying and Utility Coordination services. The scope of work includes establishing or recovering Horizontal Project Control (HPC) and Vertical Project Control on an approved datum by the District Surveyor (DS) or District Location Surveyor (DLS). MGV will establish, recover, or re-establish project alignment and/or existing Right of Way (R/W) lines, utilizing detailed analysis and processing of field-collected data, existing maps, and reports. Additionally, the project entails performing Topographic/Digital Terrain Model (DTM) surveys, roadway cross sections/profiles, and underground utility surveys. The services also cover jurisdiction line surveys, geotechnical support, sectional/grant surveys, and subdivision locations. Quality Assurance/Quality Control (QA/QC) will be provided to ensure data accuracy, along with work zone safety management as per Department standards. *Burgess & Nipple, Inc. | Steven Bronzell, PE, RSP, (863) 962-8689, steven.bronzell@burgessnipple.com | 05/2024 to Ongoing | Contract Amount: \$292,896.20*

FDOT District 5, PD&E Study of SR401 Bridge Replacement at Port Canaveral, Brevard County, Florida

MGV is responsible for delivering comprehensive Surveying, Subsurface Utility Engineering (SUE), and Utility Coordination services. The scope of work encompasses Preliminary Project Research, establishment of Wetland Jurisdictional Lines and Assessments, conducting wildlife surveys, and the

Maurice “Sonny” Lapoint

Utility Coordinator

completion and submission of all necessary Wetland Permit applications. These tasks ensure that the project complies with environmental regulations and that all utilities are accurately identified and coordinated to prevent conflicts during construction. *Burgess & Nipple, Inc. | Steven Bronzell, PE, RSP, (863) 962-8689, steven.bronzell@burgessnipple.com | 04/2024 to Ongoing | Contract Amount: \$142,368.59*

Venetian Causeway Bridge Replacement, Miami-Dade County, FL

MGV was responsible for providing Subsurface Utility Engineering and Utility Coordination services, which encompassed the following deliverables: Up to 10 Quality Level A utility locates (test holes), with each locate (test hole) including horizontal coordinates, depth of cover, elevation, size, type, material, and general direction of each identified utility. Additionally, the services included Utility Coordination Services, Advanced MOT for lane closure, and securing permits. *EAC | Enrique Crooks, PE (305) 265-5400, rcrooks@aeconsult.com | 05/03/2022 thru On-going | Contract amount \$77,054.93*

FDOT District 6, Design-Build SR 826 Palmetto Expwy from S/o NW 36th St. to N/o NW 154th St

Project includes bridge widening, auxiliary lane widening, UWHCA agreements, phased design approach, signalization, drainage, ITS, and Signing Pavement Design. Serving as Utility Coordination support, utility permit reviews and construction support.

FDOT District 5 US 192 from Main St to Aeronautical Dr.

This project includes pavement resurfacing. Providing Utility Coordination Support.

FDOT District 5 US 192 at Cross Prairie Parkway.

This project includes Signalization, lane widening, drainage, and pavement resurfacing. Providing Utility Coordination Support.

FDOT District 5, Continuing Services Contract for TSM&O Design

This contract includes miscellaneous design assignment issued on a Task Work Order (TWO) basis. TWO's can include designs services for any discipline related to roadways. Assignments have included: SR 438 at Pioneer Road, Movable Bridges, NASA Bridge. Providing utility coordination on this contract.

FDOT District 1 US 41 Bridge over Caloosahatchee River, Hardee County, FL

Project includes milling and resurfacing, bridge widening, sidewalk and other safety improvements. Serving as the Utility Coordination support.

FDOT District 1 SR 35 from N of W Socrum Loop Road to S of CR 54 Polk County, FL

Project includes widening from 2 to 4 lanes. Serving as the Utility Coordinator responsible for certification, utility permit reviews and construction support.

FDOT District 1 I-75 at SR 951 Interchange Collier County, FL

Project includes interchange modification with new ramps, ponds, drainage, and safety improvements. Serving as the Utility Coordination support, utility permit reviews and construction support.

FDOT District 1, Hollandtown Road over Lake Dale Branch.

This project includes bridge replacement, guardrail, and drainage. Serving as Utility Coordination Support.

FDOT District 8, Support FTE Utility and Railroad Coordinator

This contract includes miscellaneous assignments issued on a Task Work Order (TWO) basis. TWO's can include providing oversight as Utility Project Management. Assignments have included: Polk Parkway. Providing utility project management support on this contract.

FDOT District 4, Cove Road from SR 76 to SR 5/US 1 PD&E Study

The purpose of this project is to evaluate widening Cove Road from a two lane to a four-lane roadway. Evaluation includes existing UAO locations, easement locations, and compensable interests. Serving as Utility Coordination Support.



Nimesh Bhavsar, P.E.

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 nimesh@omengineer.com
 407-704-7815
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EDUCATION

Bachelor of Science, Civil Engineering, University of Florida, 1993

REGISTRATIONS

Professional Engineer,
#56861, Florida

COURSEWORK

Bridge Design, University of Central Florida, 1996

Advanced Steel Design, University of Central Florida, 1996

Masonry Lintel and Wall Design, University of Florida, 2001

FDOT Load Rating Seminar, November 2005

FDOT Design Conference, August 2006

FDOT Advanced Traffic Work Zone, July 2012

SOFTWARE SKILLS

STAAD Pro, STAAD etc., RCPier, CONSPAN, FlaPier, Merlin-Dash, Descus I, Descus II, ATLAS, MathCad, Exel/Lotus/Quattro Pro, MsWord, GEOPAK, FB-Pier, and Microstation

PROFESSIONAL AFFILIATIONS

Florida Engineering Society
 American Society of Civil Engineers, Structural Board - East Central Branch, Orlando Florida

EXPERIENCE PROFILE

Nimesh Bhavsar is the President of OM Engineering Services, Inc., with over 28 years of experience, specializing in design and analysis of structures. His expertise includes design, detailing, and analysis of concrete and steel bridges, mast arm/sign structures, retaining walls, strain pole design, and reinforced concrete box culverts. Mr. Bhavsar has also established experience with conducting structural inspections and the design/construction of bridges. Examples of design and inspection work include overhead sign structures for FDOT District 1, 2, 7, 3, and 4, water control structures, water tanks, and bridges. Mr. Bhavsar's experience has involved geometric design using GEOPAK and production for sections and details of all components of a structure.

SIMILAR PROJECT EXPERIENCE

OM ENGINEERING SERVICES, INC. (OME)

(2005-Current)

Kirkman Extension, Orlando, FL, Private Developer/ FDOT/ Orange County, Project Manager OME designed the extension of Kirkman Road South, from Carrier Drive to Universal Boulevard at the existing intersection with Tradeshow Boulevard, approximately 1.7 miles for Universal Orlando in association with Orange County, FDOT, and local Utility Companies. OME was the prime consulting engineer and hired sub-consultants. OME scope included Drainage Design, Structural Design, Utility Coordination, Miscellaneous structures, and Project Management. The project included an elevated two-lane roundabout supported on multi-span steel plate girder bridges. Mr. Bhavsar was responsible EOR for the structural design of five prestressed concrete and two steel bridges, retaining walls, sign and signal structures and lighting. The project involved the design of 20 mast arms, 2 strain poles, 2 box culverts, 10 overhead sign structures, 2 custom signal truss structures.

Sand Lake Widening, Orlando, FL, Private Developer, Project Manager OME was responsible for developing plans for adding an additional right turn lane to an existing six-lane roadway. The right turn lane also served as an entrance to the adjacent property. Two existing 3-way intersections were also converted to 4-way intersections to serve the adjacent property owner. Four new mast arm signal structures and two new span wire signal assemblies. The four-mast arm structures utilized standard FDOT configurations. The span wire signal structures had spans of 265' and 276'. Structural design utilized the ATLAS program.

Volcano Bay Park – South Parking Garage/Tram Road Modifications, Orlando, FL, Private Developer, Project Manager OME provided varying engineering support, including structural engineering, for Volcano Bay Park. Our responsibilities involved modifications to the South Parking Garage at Universal Studios Orlando in accommodating the Park, including the structural design of new standalone structures within the parking garage (guest services building, employee support building, and four guest services kiosks), modifications of the existing parking garage slab for foundation support, modification/new construction of the parking garage sidewalls, banner pole design (external from the garage) and master arms design (external from the garage).

Lake Lawne Weir Platform, Orange County, Orlando, FL, Project Manager

OME was responsible for drafting plans and designing modifications for an existing retaining wall to accommodate an opening for a new weir gate Responsible for the structural design and drawings of the substructure for a walkway over the existing lake to serve as an access to the weir gate mechanism.



Dhruv Bansal, P.E., PMP

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Michigan State
University, 2016

Bachelor of Engineering,
Civil Engineering,
Osmania University,
India, 2014

REGISTRATIONS

Professional Engineer,
#92007, Florida

COURSEWORK

Project Management
Professional (PMP)®
November 1, 2021

FDOT Specifications
Package Preparation
Training, 2021

SOFTWARE SKILLS

MicroStation Power
GEOPAK, AutoCAD
Civil 3D, SAP2000,
MATLAB, STAAD.Pro,
ANSYS, ABAQUS, On-
Screen Takeoff,
Timberline, MS Office
Suite

PROFESSIONAL AFFILIATIONS

American Society of Civil
Engineers

Structural Engineering
Institute

EXPERIENCE PROFILE

Mr. Dhruv Bansal is a Civil/Structural Engineer with 8+ years of experience and knowledge in engineering project design and management. He is responsible for preparing structural calculations and drawings, reviewing shop drawings, and implementing various civil engineering techniques, procedures, and principles. Dhruv has designed and detailed prestressed concrete bridges, MSE walls, mast arms, and other miscellaneous structures. In addition to working on various structures, he has assisted with developing roadway plans, estimating quantities, preparing cost estimates, specification packages, and QA/QC.

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Hartwood Marsh Road Widening, Lake County, FL, Project Engineer

OME is the prime consultant for the ongoing Hartwood Marsh Widening project in Lake County. Mr. Bansal was responsible for designing perimeter walls, providing design for 7 new mast arms, and evaluating the existing strain pole box system.

World Drive North Phase III Temp Beam Bracing, Orange County, FL, Project Engineer Mr. Bansal was responsible for providing design for a temporary bridge bracing system utilizing FDOT standards and specifications. He also developed the shop drawings/plans for the contractor using MicroStation Power GEOPAK.

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Mr. Bansal was responsible for drafting plans and designing modifications for an existing retaining wall to accommodate a new weir gate opening. He was also responsible for designing a steel walkway resting on steel beams & pile/pile cap substructure system over the existing lake to access the weir gate mechanism.



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(2016-Current)

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Lake Lawne Weir Platform, Orange County, Orlando, FL, Project Engineer

Mr. Bansal was responsible for drafting plans and designing modifications for an existing retaining wall to accommodate a new weir gate opening. He was also responsible for designing a steel walkway resting on steel beams & pile/pile cap substructure system over the existing lake to access the weir gate mechanism.

D. ORGANIZATIONAL CHART: KEY STAFF RESPONSIBILITIES

The PROPEL Project Team



**CITY OF
PORT ST. LUCIE
Project Manager**

**PROPEL
Project Manager
Maj Alam, PE, PMP
(24) 60%**

**QA/QC Officer
Sven Weydahl, PE
(41) 70%**

**Assistant Project
Manager
Eliot Brown, PE
(12) 80%**

DRAINAGE & ENVIRONMENTAL

**Lead: Muhammad
Rasheduzzaman
(20) 75%
Isa Hammadu
(7) 75%**

SPM DESIGN

**Lead: Istiak Ahmed,
PE, PTOE, RSP, (9) 75%
Sahar Alseidi, AMOT
(14) 50%**

ROADWAY DESIGN

**Lead: Dilnaha Shuvo,
PE (10) 75%
Mohammad Khan, EI
(16) 75%**

SIGNAL & ITS DESIGN

**Lead: Vibhuti Patel, PE
(12) 60%
Bassel Elgamel, EI,
IMSA-I (14) 75%**

LIGHTING

**Lead: Robert Fulp, PE
(41) 60%
Ahmed Bhurgri
(5) 75%**

SUBCONSULTANTS

ARCHITECTURE & LANDSCAPE

**Lead: Aaron Wilbur, PLA
(16) 40%
Rob Coteleur, PLA
(41) 45%
Heather Kinkhead, PLA
(24) 50%**

GEOTECHNICAL ENGINEERING

**Lead: Yves Delmas, PE
(16) 70%
Dr. Thai Nyugen, PE
(29) 40%**

STRUCTURAL ENGINEERING

**Lead: Nimesh Bhavsar,
PE (28) 40%
Dhruv Bansal, PE, PMP
(8) 75%**

SUE, SURVEY & UTILITIES

**Lead: Mark Sowers, PSM
(37) 45%
Jim Leonhardt, PSM (37)
45%
Carlos Alonso, PSM, EI
(27) 50%**

Staff Legend: (xx) - years of experience; xx% - percentage of future availability pledged to the City of Port St Lucie for this contract

INDEPENDENT PEER REVIEW OF DESIGN PLANS

TAB 3 - METHODOLOGY, APPROACH & PROJECT UNDERSTANDING FOR PEER REVIEWS





A. PROJECT UNDERSTANDING AND LOCAL CONTEXT

The City of Port St. Lucie continues to expand and invest in high-quality infrastructure, making the integrity of roadway design and construction more important than ever. The PROPEL team understands that the purpose of this solicitation is to provide independent peer reviews for City-led roadway and civil design projects, ensuring each set of plans meets the highest standards for safety, constructability, compliance, and cost efficiency. These reviews are essential for minimizing risk and avoiding costly rework in the construction phase.

We approach this contract with a strong understanding of FDOT design criteria, City of Port St. Lucie Engineering Standards Manual, AASHTO, Florida Green Book, and the latest best practices in complete street design and traffic safety. PROPEL's experience in urban roadway design, drainage, utilities, roundabouts, traffic operations, and constructability review positions us to provide clear, actionable, and timely feedback throughout the peer review process.

PROPEL's local familiarity with Port St. Lucie is not theoretical, we've successfully delivered major design efforts in this very community, including:

- SR 615/S 25th Street from North of Edwards Road to North of Virginia Avenue RRR Project
- SR 5/ US1 Sidewalk Project
- SR 5/US 1 from Juanita Avenue to North of Kings Highway RRR Project
- SR 608/ St. Lucie Boulevard from East of SR 615/N 25th Street to West of US 1 RRR Project
- Midway Road from Glades Cut off Road to Selvitz Road Widening and Reconstruction

Notably, Eliot Brown, PE, our Assistant Project Manager, served as design lead on the Wylder Parkway Road Design, a new four-lane divided urban roadway with landscaped medians, sidewalks, and two modern roundabouts. Eliot's direct experience with this project, spanning geometry, drainage, signals, and stakeholder coordination, demonstrates his deep understanding of the City's design expectations and workflows. We also bring experience from SW Anthony F. Sansone Boulevard, another significant urban design project in the region, where our team coordinated utility crossings, reviewed permit packages, and resolved constructability concerns during plan development. These projects give us firsthand insight into the City's permitting process, stormwater management expectations, and local review culture. This local knowledge is invaluable in helping us execute contract tasks efficiently and with minimal disruption, saving the City both time and resources.



B. UNDERSTANDING OF SCOPE

The scope requires Plans Review and verification of adherence to all applicable criterion such as AASHTO, FDOT, and City of Port St. Lucie for all milestone deliverables, including plans, specifications, pay items, cost estimates, reports, and other documents for design projects. These reviews are open to all aspects of transportation facilities, including roadway, structures, drainage, signing and pavement marking, traffic control, signals, lighting, ITS, architectural, landscape, environmental, and permits.

PROPEL will perform the following tasks under this contract:

- Provide engineering comments during plans review and accept the response or provide follow up comments within the allowable review time.
- Provide marked-up plans and design documentation for non-engineering comments.
- Identify and report to the City any design components that may require a design variation or exception.
- Verify that the scope history is clear and concise.
- Verify that all proposed work has a method of payment.
- Provide reports and summaries to the City in accordance with a comprehensive QA plan.
- Provide a certification letter to the City that the construction documents have been reviewed and the design IS or IS NOT in general accordance with the latest standards, current FDOT policies, procedures, and manuals, as well as all applicable guidelines and practices, and that the design meets the intended scope.
- Develop construction cost estimates.
- Review Traffic Control Plans to ensure constructability.
- Review and provide comments related to the applicability of construction contract technical special provisions.
- Perform an annual analysis and provide a written summary detailing statistical trends and that identifies any deficient areas.



C. TECHNICAL APPROACH & METHODOLOGY

Understanding of Critical Issues and Approaches: In our previous experience, a plans review Contract's focus is to ensure that pay items and quantities are appropriate and accurate. This will also reduce bid questions and change memos after signed and sealed submittal and reduce potential schedule delays, bid issues, and claims during construction. Based on our previous experience with this type of contract, we have identified the following critical issues and our approach to them:

1. Use of Applicable Criteria: In all cases, the project's letting date and the implementation plan dictate the appropriate criteria. The letting date establishes the applicable design standards and specifications. We will ensure compliance with adopted City and FDOT criteria (AASHTO, MUTCD, and FHWA) and ensure adherence to the project's intent. **Approach:** Based on the letting date, we will establish the applicable criteria and make comments if needed.

2. Proper Review for Submittal Type: Most of the reviews for this contract are designed to ensure projects are constructible and biddable. The plans review comments must correspond to the submittal phase. For example, Technical Special Provisions (TSPs) are not required with the initial submittal; therefore, comments relating to the missing TSPs are not valid. **Approach:** Our reviews are performed for the specific submittal type by using the City phase review checklists. We avoid making comments that do not pertain to the submittal type, such as asking for the construction details in the initial engineering phase. Our team is experienced in CEI and is MOT and specification certified. This expertise will assist in the review process during the constructability and biddability phases. Each phase review will focus on the following:

- **30% Plans/Initial Phase:** review project scope, typical sections, pavement design, horizontal and vertical alignments, DV/DE, design compliance with department criteria, safety reports, practical design (3R), and PD&E commitments.
- **60% Plans/Constructability Phase:** ensure resolution of initial engineering comments and review final roadway plans, ADA compliance, construction phasing (TCP), utility, right-of-way, signing and pavement marking, signalization, landscape, final drainage report, SWPPP, and permits.
- **90% Plans/Biddability Phase:** ensure resolution of constructability phase review comments and review pay items and quantities, construction time estimate, cost estimates, production complete plans, certificates, specifications, technical special provisions, and utility work schedules.



C. TECHNICAL APPROACH (CONTINUED)

3. Notes Used in the Construction Plans: General and pay item notes that repeat or contradict FDOT Specifications, Standards Plans, or the FDOT Design Manual (FDM) are often incorrectly used by the EOR. We understand that this issue has resulted in plan revisions and construction claims.

Approach: All our review assignments utilize the list of notes that repeat, supplement, or contradict FDOT specifications, standard plans, FDM, and City knowledge base information. Our reviewers use their knowledge base and review the “Plan Notes Redundancy – Notes to Avoid” on every review assignment to ensure that the latest notes are being used.

4. Quantity and Pay Item Verification: Common plan errors include quantity summary boxes that do not match the summary of pay items and quantity summary boxes that are not in the proper sequence of pay items. Quantities for cost-critical items will be computed by our reviewers to verify accuracy. **Approach:** We perform a four-way check (1. plans, 2. quantity summary boxes, 3. summary of pay items, and 4. CADD files) to ensure all items are paid for with the proper pay items; all quantities match among the plans, the summary boxes and the summary of pay items. All pay items will be verified with the current basis of estimates. We create the applicable quantity shapefiles, process earthwork quantities, and perform quantity take-offs using the submitted CADD files for the critical quantity checks. These calculations, along with the GEOPAK/CADD generated documentation, are provided via the FTA at the end of each review assignment.

5. MOT Feasibility: This type of review includes verification of the design elements that are being constructed during each phase for items such as availability of staging areas, pedestrian conveyance during construction, railroad requirements during construction, adequacy of work zone area for construction equipment, and possible temporary critical sheet pile/MSE wall details. **Approach:** Based on our extensive design-build experience, we are very knowledgeable in construction techniques and requirements. This gives us the ability to review the plans and ensure the improvements are constructible within the proposed phasing, helping avoid issues during construction. We also have long-standing relationships with several local contractors who are a resource to resolve any complex construction issues.

6. Conflicting and/or Duplicate Comments: Sometimes, conflicting and/or duplicate comments can arise from various disciplines because each discipline only reviews elements that apply to their discipline without having a reviewer responsible for reviewing and coordinating all comments.



C. TECHNICAL APPROACH (CONTINUED)

Approach: During the kick-off meeting with the team, our PM, Maj Alam, will make sure team members are aware of the project scope and requirements to avoid conflicting/duplicate comments. Once all comments are received, Maj will review them to ensure there are no duplicate or conflicting comments prior to submitting to City.

7. Comment Format: Wording comments concisely and easy to understand will produce the most appropriate responses and cooperation from the EORs. **Approach:** Our comments will be engineering comments. When reviewing plans, each comment provided addresses three issues: 1) identify the plan discrepancy, 2) identify the applicable FDOT standard, criteria, or specification that is not being followed, and 3) provide an action/recommendation for the designer to resolve the comment. When needed, we will also provide field photos, taken by our reviewer, to provide clarity. Format comments are also essential, especially when reviewing of quantity summary boxes. Our staff participates in all “estimates” training webinars and is familiar with the required layout, format, and sequencing of the summary boxes, as shown in chapter 8 of the BOE manual. Based on our experience, incorrect use of the summary boxes is a common error.

8. Missing or Incorrect Details, Dimensions, Station/Offset Callouts: This is the most prevalent type of comment encountered during reviews. **Approach:** These comments are essential to ensure the contractor does not incorrectly construct items that have been mislabeled, causing delay or cost overruns to the project. We will also ensure appropriate plan details are included in the plans and have the information to build the project on time and within budget. Missing details frequently result in RFIs and plan revisions that can delay construction.

9. Field Reviews: Field reviews are an invaluable review tool that cannot be replaced with Google Maps views. On past projects, we have frequently found that field conditions have changed since Google Maps was updated. This can result in plan errors such as missing or improperly shown light poles, sign structures, and signalization mast arms in “control zones”, inadequate sight distance due to hedges and fences, unprotected drop-offs, and non-compliant ADA facilities. **Approach:** PROPEL policy requires our reviewers to perform a “plans in hand” field review for all projects. We will take all necessary pictures and notes to create a detailed inventory of field issues, documenting information such as the location the photos were taken, the direction of the photo, and the issue the photo is documenting. A field review report will be prepared, including all photos, all field notes, and plan markups, and provided to the EOR.



C. TECHNICAL APPROACH (CONTINUED)

10. Contract Management: The team will use the rate that is in the contract when submitting the fee estimate. Invoices and progress reports will be submitted on time. Contract management will be streamlined to minimize city staff involvement. **Approach:** The following process will be followed:

- City PM will send an email to our PM, Maj Alam, requesting a staff hour proposal for the TWO, usually due within two business days.
- Our team will obtain the review documents from City.
- Review the TWO submittals against the latest submittal checklist and request any missing documents from the consultant PM, copying the City PM on the request.
- Prepare and submit the staff hour proposal that TSP reviews (if applicable) within two days of the request.
- Upon approval of the staff hours and receipt of the TWO from the City PM, we will sign, color scan, and email the TWO document to the City PM (the original signed hard copy will be retained in our contract file), prepare the NTP email and distribute, using our “OneDrive” document sharing system, all submittal documents to the applicable teams for the review assignment.
- Review the latest design, specs, and estimates bulletins to determine possible relevance to the review and ensure that the reviewers utilize them.
- Schedule a field review and prepare the field review report.
- Once the review comments and related documents have been prepared, perform QA/QC, ensuring that our quality standards are met, and all conflicting/redundant comments are resolved.
- Submit comments to the City PM.
- Attend PS&E meetings and prepare meeting notes as applicable for constructability reviews.
- Coordinate comment issues directly with the EOR to minimize City’s involvement.
- Be available and prepared to review complex projects and be actively involved with each plan review task.
- Review and resolve all responses with EOR as soon as possible to avoid any delays.



D. MANAGEMENT APPROACH

Maj Alam, PE, PMP will be the PM for this contract and the single point of contact for the City. He will disseminate all information to and from the City. This managerial approach reduces confusion and possible communication errors. Maj has successfully managed multiple similar contracts, and his project management skills are well recognized by all Clients, especially FDOT. Maj's superior management style is one that is proactive and responsive to the City's needs. Maj, assisted by PROPEL team members, will a) plan the project execution; b) establish a well-defined scope; c) provide monitoring of and adherence to the schedule; d) control the contract/TWO budget, including sub-consultant budgets, and e) oversee PROPEL's rigorous QA/QC program. Maj will also distribute the TWO to an appropriate available team and oversee the work's progress, ensuring that each team efficiently responds to the needs of its TWO. Maj will provide and maintain an up-to-date list of staff with agreed-to classifications that will be available to be assigned to specific task work orders. Any modifications or additions to the list of available staff will be submitted to the City for approval prior to initiating any work by that individual. We have the professional depth and breadth to fulfill any of the challenges on this contract.

PROPEL Management Spreadsheet Tool (PMST): PROPEL has developed a spreadsheet-based management tool designed to monitor project finances and schedule, which has been successfully used on previous similar contracts. This spreadsheet is a living document that tracks the TWO's progress by monitoring the TWO details, NTP date, total fee amount, each activity fee, submittal dates, field visit dates, invoice and payment dates.



D. MANAGEMENT APPROACH (CONTINUED)

Schedule: All projects have a rigorous timeline based on funding availability and any commitments. Our team will facilitate on-time reviews that provide quality comments to avoid any project issues that could delay the project deliverables. To review schedules for multiple concurrent TWO's, PROPEL's PMST compiles the various schedules in one centralized location. **The following procedure will be used to control the schedule:**

1. Upon receipt of the request for staff hours, we will submit our fee estimate to City within two business days.
2. Upon NTP, we will assign it to the best available team.
3. We will not assign multiple TWO's with the same deadline to the same team, so we have redundancy (in both PROPEL and sub-consultants) on our team.
4. Schedule a kick-off meeting to ensure all parties understand the scope, budget, expectations, deliverables, and deadlines.
5. All deadlines will be entered into the Outlook Calendar and invitations sent to the key members.
6. The PMST will also track the TWO's timetable status to make sure all critical deadlines are met.
7. If there is a compressed schedule, we will provide multiple reviewers for each component plan. For example, we will have one reviewer check roadway geometry, typical sections, DV/DE, etc.; another reviewer will focus on constructability; a different reviewer will focus on plan consistency and meeting criteria. Finally, all comments will be combined.
8. When needed, we will gather all reviewers and discipline leaders in one room to exchange and discuss comments. This helps to expedite the review process and develop key comments through team discussion. This process has served us well on complex projects and urgent deadlines.
9. Submit review comments on or before scheduled deadlines.

We have extensive experience meeting aggressive schedules and alleviating risks by assembling the finest review team with the expertise and availability to complete TWO's on or ahead of schedule while maintaining high quality for all deliverables.

Budget: We recognize the importance of keeping the construction budget up to date. During our reviews, we will focus on constructability and biddability to ensure the project budget is consistent



E. QUALITY ASSURANCE PLAN

We are committed to providing high-quality, technically sound reviews that reflect the City's expectations and protect public interests. Our team will develop a Quality Assurance Plan (QAP) within 30 days of contract execution. We understand that this plan must be approved by the City prior to the release of any payments for peer review services. Our QAP will establish the framework for internal quality control across all disciplines ensuring consistency, accuracy, and compliance with all applicable City, FDOT, and industry standards. **The plan will define clear procedures for document review, comment resolution, inter-discipline coordination, issue tracking, and deliverable validation.** Led by Project Manager Maj Alam, PE, PMP and Assistant Project Manager Eliot Brown PE, our QA process will include independent senior-level reviews, audit checks prior to submittals, and a continuous feedback loop with City staff. Our proven 11-Step QC approach successfully implemented on major and minor design projects across the State of Florida, ensures that each peer review product meets the City's expectations for clarity, constructability, and technical soundness from initial submittal through final certification. We will develop a similar procedure tailored to the City timelines and preferences. To achieve this, we will implement the following QA measures:

1. Licensed Discipline Leads: Each technical review will be completed and signed off by a Florida-licensed PE or qualified expert in that field.
2. Three-Tier Review Process:
 - Primary review by Maj Alam
 - Team of technical experts perform review and develop and combine comments
 - Final QA Review by QA/QC Officer/Senior Engineer for quality, clarity, and completeness of all comments and memos
3. Checklist-Based QA: We use discipline-specific checklists that align with FDOT and City of Port St. Lucie design criteria to ensure all reviews are thorough and consistent.
4. Comment Log Review: Every comment is assigned a severity level and reviewed for clarity, traceability, and applicability to the scope.
5. Resolution Tracking: For follow-up reviews, we verify that comments have been adequately addressed or document the rationale for closure.
6. Lessons Learned: On a quarterly basis, our team will review common trends or recurring issues, which will inform updates to internal QA procedures and checklists.

This approach ensures that each deliverable reflects not only technical accuracy but also professional judgment and a collaborative spirit.



F. OPTIONAL SERVICES & DELIVERABLES

Optional Services

In accordance with Section 2.6, we are fully prepared to deliver optional services as needed. These may include:

- Constructability assessments that go beyond desktop reviews by performing site visits to flag potential field issues.
- Signal warrant analyses to confirm the operational validity of proposed traffic signals.
- Cost estimate validations using bid-based cost data and proprietary models to confirm reasonableness.
- Third-party design check coordination, helping the City resolve design disputes or facilitate redesigns with original consultants.

We will activate these services only when triggered by specific task orders or at the request of the City.

Deliverables

Our deliverables will be produced in alignment with Section 2.7 of the RFQ. These include:

- Peer Review Technical Memoranda for each task, with findings by discipline.
- A tabulated comment log indicating severity level, resolution status, and reviewer notes.
- A Final Peer Review Summary Report, incorporating the findings, resolution tracking, and formal closure confirmation.
- Quarterly or annual summary reports at the City's request, identifying trends and improvement opportunities.

All deliverables will be formatted professionally and delivered digitally. Upon request, we can provide editable formats or GIS-linked outputs for future referencing.



G. SCHEDULING COMPLIANCE & CONCLUSION

Schedule Requirements and Compliance

We understand the importance of adhering to tight timelines, as emphasized in Section 2.8. Our workflow follows a disciplined 10-2-5-2 model:

- 10 business days for primary technical review
- 2 business days to prepare and submit technical memoranda and comments
- 5 business days for design consultant coordination and resolution
- 2 business days for final verification and sign-off

This schedule allows us to meet and exceed turnaround expectations while maintaining high-quality outputs. Maj and Eliot will monitor schedule compliance through a live task matrix and proactively notify the City of any at-risk tasks or delays.

Conclusion

PROPEL has honed a reputation built on experience, reliability, and outstanding performance on similar contracts. PROPEL is committed to completing the services for this contract successfully, as evidenced by our understanding and approach to the project, as well as our staff performance on similar projects. PROPEL's staff served as the Spanish River Design-Build Consultant for FDOT D4. On this high demand project, Maj completed 90 reviews (53 ERC and 37 non-ERC reviews) without any delays and worked proactively to maintain the project quality and schedule. His reviews also saved Contractor/Design Consultants millions of dollars and avoided plan errors. We look forward to a similar commitment to the FDOT's standard of excellence on this contract.

Our team offers a proven, methodical approach to independent peer reviews backed by local experience, technical depth, and disciplined project management. With leaders like Maj Alam, PE, PMP and Eliot Brown, PE, who have designed and reviewed key corridors in Port St. Lucie including Wylder Parkway and SW Anthony F. Sansone Boulevard, we understand how to partner effectively with the City to deliver timely, constructive, and forward-looking reviews.

We are confident that our methodology, grounded in clarity, collaboration, and quality, will provide the City with the highest standard of service throughout the life of this contract.

Thank you for considering our proposal and we hope to have the opportunity to work with the City of Port St. Lucie.

Sincerely,

Majharul "Maj" Alam, PE, PMP

INDEPENDENT PEER REVIEW OF DESIGN PLANS

MANDATORY FORMS





CONSULTANT'S GENERAL INFORMATION WORK SHEET

1. Corporation, Partnership, Joint Venture, Individual or other? Corporation

2. Firm's name and main office address, telephone and fax numbers

Name: Propel Engineering, LLC

Address: 2711 Vista Parkway, Suite B-7

West Palm Beach, FL 33411

Telephone Number: 561-866-5730

Fax Number: _____

3. Contact person: Majharul Alam, PE, PMP Email: maj@propel-engineering.com

4. Firm's previous names (if any). N/A

5. How many years has your organization been in business? 10 years

6. Has the Proposer or any principals of the applicant organization failed to qualify as a responsible Proposer; refused to enter into a contract after an award has been made; failed to complete a contract during the past five (5) years or been declared to be in default in any contract or been assessed liquidated damages in the last five (5) years? List the name of project, location, client, engineer, date and reason. Use additional pages if needed.

Total Number of Projects where Failure to Complete Work Occurred: n/a

Project Number 1

Project Name: _____

Project Location: _____

Client Name and Phone Number: _____

Engineer Name and Phone Number: _____

Date: _____

Reason:

Insert additional projects if needed.

7. Has the Contractor or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership?

Yes ()

No (✓)

If yes, please explain:

8. List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10 %) interest:

n/a

(N/A is not an acceptable answer - insert lines if needed)

9. List any judgments from lawsuits in the last five (5) years:

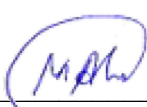
n/a

(N/A is not an acceptable answer - insert lines if needed)

10. List any criminal violations and/or convictions of the Proposer and/or any of its principals:

n/a

(N/A is not an acceptable answer - insert lines if needed)



Signature

Authorized Person

Title

E-Verify Form

Supplier/Consultant acknowledges and agrees to the following:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
3. The Contractor hereby represents that it is in compliance with the requirements of Sections 448.09 and 448.095, Florida Statutes. The Contractor further represents that it will remain in compliance with the requirements of Sections 448.09 and 448.095 Florida Statutes, during the term of this contract and all attributed renewals.
4. The Contractor hereby warrants that it has not had a contract terminated by a public employer for violating Section 448.095, Florida Statutes, within the year preceding the effective date of this contract. If the Contractor has a contract terminated by a public employer for any such violation during the term of this contract, it must provide immediate notice thereof to the City.

E-Verify Company Identification Number 115211

Date of Authorization 12/16/16

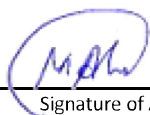
Name of Contractor Propel Engineering, LLC

Name of Project Independent Peer Review of Design Plans

**Solicitation Number
(If Applicable)** 20250144

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on July, 21, 2025 in West Palm Beach (city), FL (state).



Signature of Authorized Officer

Majharul Alam, Authorized Person

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 21 DAY OF July, 2025.

NOTARY PUBLIC

My Commission Expires: _____



SARAH J. DAVENPORT
Notary Public
State of Florida
Comm# HH234089
Expires 3/26/2026



NON-COLLUSION AFFIDAVIT

State of Florida }

County of Palm Beach }

Majharul Alam, being first duly sworn, disposes and says that:
(Name/s)

1. They are Authorized Person of Propel Engineering, LLC the Proposer that
(Title) (Name of Company)

has submitted the attached PROPOSAL;


2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.




(Signed) 
(Title) Authorized Person

STATE OF FLORIDA }
COUNTY OF PALM BEACH} SS:

The foregoing instrument was acknowledged before me this (Date) July 21, 2025

by: Majharul Alam who is personally known to me or who has produced
_____ as identification and who did (did not) take an oath.

Commission No. _____
Notary Public
State of Florida
Comm# HH234089
Notary Print: _____ Expires 3/26/2026
Notary Signature: 



Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

The Contractor certifies that, the firm or any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

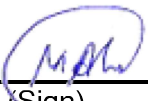
(b) have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property

(c) are not presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) have not within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Contractor certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the Florida Department of Transportation."

Company Name: Propel Engineering, LLC

Authorized By:  Majharul Alam
(Sign) (Print Name)

Title: Authorized Person Date: 07/21/2025

*****All subcontractors are required to submit this form with the prime contractor's proposal**
This is a mandatory document. No exceptions will be made.***



Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

The Contractor certifies that, the firm or any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

(b) have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property

(c) are not presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) have not within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Contractor certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the Florida Department of Transportation."

Company Name: Lincks & Associates, LLC A TMC Company

Authorized By: (Sign) STEVEN J HENNEY
(Print Name)

Title: President Date: 07/23/2025

*****All subcontractors are required to submit this form with the prime contractor's proposal**
This is a mandatory document. No exceptions will be made.***



CERTIFICATION REGARDING LOBBYING

The undersigned Contractor certifies, to the best of his or her knowledge and belief, that:

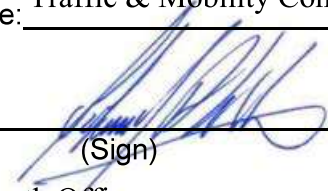
- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions [as amended by “Government wide Guidance for New Restrictions on Lobbying”, 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)]
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Company Name: Traffic & Mobility Consultants LLC

Authorized By:  Mohammed N. Abdallah
(Sign) (Print Name)

Title: Chief Growth Officer Date: 07/22/2025

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Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

The Contractor certifies that, the firm or any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

(b) have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property

(c) are not presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) have not within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Contractor certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the Florida Department of Transportation."

Company Name: H2R Corp

Yves-Stanley	2025.07.23	Yves Stanley Delmas
Authorized By: <u>Delmas</u>	<u>08:22:49 -04'00'</u>	
(Sign)		(Print Name)

Title: CEO Date: 07/23/2025

*****All subcontractors are required to submit this form with the prime contractor's proposal**
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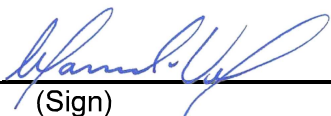
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Company Name: Manuel G. Vera and Associates, Inc.

Authorized By:  Manuel G. Vera Jr., PSM
(Sign) (Print Name)

Title: Chief Executive Officer Date: 07/23/2025

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Company Name: OM Engineering Services, Inc.

Authorized By: Nimesh J Bhavsar (Sign) Nimesh Bhavsar, P.E. (Print Name)
Digitally signed by Nimesh J Bhavsar
Date: 2025.07.23 09:08:37 -04'00'

Title: President Date: 07/23/2025

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CERTIFICATION REGARDING LOBBYING

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Company Name: Propel Engineering, LLC

Authorized By:  Majharul Alam
(Sign) (Print Name)

Title: Authorized Person Date: 07/21/2025

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Company Name: Lincks & Associates, LLC A TMC Company

Authorized By: (Sign) STEVEN J HENRY
(Print Name)

Title: President Date: 07/23/2025

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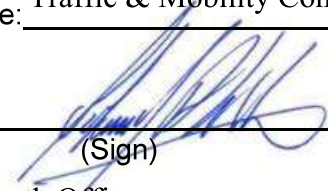
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Company Name: Traffic & Mobility Consultants LLC

Authorized By:  Mohammed N. Abdallah
(Sign) (Print Name)

Title: Chief Growth Officer Date: 07/22/2025

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Company Name: Cotleur & Hearing Landscape Architecture, LLC

Authorized By: Aaron M Wilbur ^{2025.07.23} Aaron Wilbur
(Sign) ^{08:09:02 -04'00'} (Print Name)

Title: Co-President Date: 07/23/2025

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Company Name: H2R Corp

Authorized By: Yves-Stanley Delmas 2025.07.23 08:23:15 -04'00' Yves Stanley Delmas
(Sign) (Print Name)

Title: CEO Date: 07/23/2025

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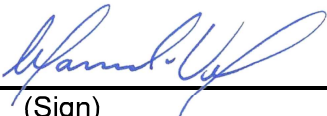
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Company Name: Manuel G. Vera and Associates, Inc.

Authorized By:  Manuel G. Vera Jr., PSM
(Sign) (Print Name)

Title: Chief Executive Officer Date: 07/23/2025

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Company Name: OM Engineering Services, Inc.

Authorized By: Nimesh J Bhavsar Digitally signed by Nimesh J Bhavsar
Date: 2025.07.23 09:06:50 -04'00' Nimesh Bhavsar, P.E.
(Sign) (Print Name)

Title: President Date: 07/23/2025

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**Request for Taxpayer
Identification Number and Certification**

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

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

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) TMC Acquisitions, Inc.	
	2 Business name/disregarded entity name, if different from above. Propel Engineering, LLC	
	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor <input checked="" type="checkbox"/> C corporation <input type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.)
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions <input type="checkbox"/>	
	5 Address (number, street, and apt. or suite no.). See instructions. 2711 Vista Parkway Suite B-7 6 City, state, and ZIP code West Palm Beach, FL 33411 7 List account number(s) here (optional)	Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN) Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> , later. Note: If the account is in more than one name, see the instructions for line 1. See also <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.	Social security number [][] - [][] - [][][][] or Employer identification number 4 6 - 3 3 1 6 9 5 0
--	--

Part II Certification Under penalties of perjury, I certify that: 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and 2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and 3. I am a U.S. citizen or other U.S. person (defined below); and 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct. Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.	
Sign Here Signature of U.S. person <i>Carol Russ</i>	Date <i>9/13/2024</i>

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.
What's New
Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.
New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).
Purpose of Form
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

**ONLINE SERVICES**[Apply for a License](#)[Verify a Licensee](#)[View Food & Lodging Inspections](#)[File a Complaint](#)[Continuing Education Course Search](#)[View Application Status](#)[Find Exam Information](#)[Unlicensed Activity Search](#)[AB&T Delinquent Invoice & Activity List Search](#)**LICENSEE DETAILS**

1:41:24 PM 7/11/2025

Licensee Information

Name:	PROPEL ENGINEERING, LLC (Primary Name)
Main Address:	2711 N VISTA PARKWAY WEST PALM BEACH Florida 33411
County:	PALM BEACH

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	31050
Status:	Current
Licensure Date:	03/11/2015
Expires:	

Special Qualifications**Qualification Effective****Alternate Names**[View Related License Information](#)[View License Complaint](#)2601 Blair Stone Road, Tallahassee FL 32399 :: Email: [Customer Contact Center](#) :: Customer Contact Center: 850.487.1395The State of Florida is an AA/EEO employer. Copyright ©2023 Department of Business and Professional Regulation - State of Florida. [Privacy Statement](#)

Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our [Chapter 455](#) page to determine if you are affected by this change.



CONSULTANT'S GENERAL INFORMATION WORK SHEET

1. Corporation, Partnership, Joint Venture, Individual or other? Corporation

2. Firm's name and main office address, telephone and fax numbers

Name: Propel Engineering, LLC

Address: 2711 Vista Parkway, Suite B-7

West Palm Beach, FL 33411

Telephone Number: 561-866-5730

Fax Number: _____

3. Contact person: Majharul Alam, PE, PMP Email: maj@propel-engineering.com

4. Firm's previous names (if any). N/A

5. How many years has your organization been in business? 10 years

6. Has the Proposer or any principals of the applicant organization failed to qualify as a responsible Proposer; refused to enter into a contract after an award has been made; failed to complete a contract during the past five (5) years or been declared to be in default in any contract or been assessed liquidated damages in the last five (5) years? List the name of project, location, client, engineer, date and reason. Use additional pages if needed.

Total Number of Projects where Failure to Complete Work Occurred: n/a

Project Number 1

Project Name: _____

Project Location: _____

Client Name and Phone Number: _____

Engineer Name and Phone Number: _____

Date: _____

Reason:

Insert additional projects if needed.

7. Has the Contractor or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership?

Yes ()

No (✓)

If yes, please explain:

8. List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10 %) interest:

n/a

(N/A is not an acceptable answer - insert lines if needed)

9. List any judgments from lawsuits in the last five (5) years:

n/a

(N/A is not an acceptable answer - insert lines if needed)

10. List any criminal violations and/or convictions of the Proposer and/or any of its principals:

n/a

(N/A is not an acceptable answer - insert lines if needed)


Signature

Authorized Person

Title

E-Verify Form

Supplier/Consultant acknowledges and agrees to the following:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
3. The Contractor hereby represents that it is in compliance with the requirements of Sections 448.09 and 448.095, Florida Statutes. The Contractor further represents that it will remain in compliance with the requirements of Sections 448.09 and 448.095 Florida Statutes, during the term of this contract and all attributed renewals.
4. The Contractor hereby warrants that it has not had a contract terminated by a public employer for violating Section 448.095, Florida Statutes, within the year preceding the effective date of this contract. If the Contractor has a contract terminated by a public employer for any such violation during the term of this contract, it must provide immediate notice thereof to the City.

E-Verify Company Identification Number 115211

Date of Authorization 12/16/16

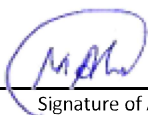
Name of Contractor Propel Engineering, LLC

Name of Project Independent Peer Review of Design Plans

**Solicitation Number
(If Applicable)** 20250144

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on July, 21, 2025 in West Palm Beach (city), FL (state).



Signature of Authorized Officer

Majharul Alam, Authorized Person

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 21 DAY OF July, 2025.

NOTARY PUBLIC

My Commission Expires: _____



SARAH J. DAVENPORT
Notary Public
State of Florida
Comm# HH234089
Expires 3/26/2026



NON-COLLUSION AFFIDAVIT

State of Florida }

County of Palm Beach }

Majharul Alam, being first duly sworn, disposes and says that:
(Name/s)

1. They are Authorized Person of Propel Engineering, LLC the Proposer that
(Title) (Name of Company)

has submitted the attached PROPOSAL;


2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

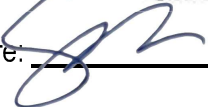


(Signed) 
(Title) Authorized Person

STATE OF FLORIDA }
COUNTY OF PALM BEACH} SS:

The foregoing instrument was acknowledged before me this (Date) July 21, 2025

by: Majharul Alam who is personally known to me or who has produced
_____ as identification and who did (did not) take an oath.

Commission No. _____
Notary Public
State of Florida
Comm# HH234089
Expires 3/26/2026
Notary Print: _____
Notary Signature: 



Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

The Contractor certifies that, the firm or any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

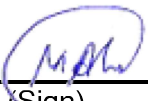
(b) have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property

(c) are not presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) have not within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Contractor certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the Florida Department of Transportation."

Company Name: Propel Engineering, LLC

Authorized By:  Majharul Alam
(Sign) (Print Name)

Title: Authorized Person Date: 07/21/2025

*****All subcontractors are required to submit this form with the prime contractor's proposal**
This is a mandatory document. No exceptions will be made.***



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Company Name: Traffic & Mobility Consultants LLC

Authorized By: (Signature) Mohammed N. Abdallah
(Sign) (Print Name)

Title: Chief Growth Officer Date: 07/22/2025

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Company Name: Lincks & Associates, LLC A TMC Company

Authorized By: (Sign) STEVEN J HENNEY
(Print Name)

Title: President Date: 07/23/2025

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Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

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Company Name: H2R Corp

Yves-Stanley	2025.07.23	Yves Stanley Delmas
Authorized By: <u>Delmas</u>	<u>08:22:49 -04'00'</u>	
(Sign)		(Print Name)

Title: CEO Date: 07/23/2025

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Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

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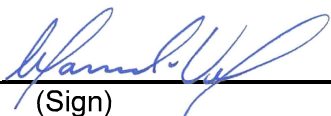
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Company Name: Manuel G. Vera and Associates, Inc.

Authorized By:  Manuel G. Vera Jr., PSM
(Sign) (Print Name)

Title: Chief Executive Officer Date: 07/23/2025

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Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

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Company Name: OM Engineering Services, Inc.

Authorized By: Nimesh J Bhavsar
(Sign) Digitally signed by Nimesh J Bhavsar
Date: 2025.07.23 09:08:37 -04'00' Nimesh Bhavsar, P.E.
(Print Name)

Title: President Date: 07/23/2025

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This is a mandatory document. No exceptions will be made.***



CERTIFICATION REGARDING LOBBYING

The undersigned Contractor certifies, to the best of his or her knowledge and belief, that:


- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions [as amended by “Government wide Guidance for New Restrictions on Lobbying”, 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)]
- (3) The undersigned shall require that the language of this certification be included in the awards documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. 1352 (1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure]

The Contractor, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

Company Name: Propel Engineering, LLC

Authorized By:  Majharul Alam
(Sign) (Print Name)

Title: Authorized Person Date: 07/21/2025

*****ALL SUBCONTRACTORS ARE REQUIRED TO FILL OUT THIS FORM AND SUBMIT WITH BID PACKAGE*** This is a mandatory document. No exceptions will be made.**



CERTIFICATION REGARDING LOBBYING

The undersigned Contractor certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying", 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)]
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Company Name: Lincks & Associates, LLC A TMC Company

Authorized By: (Signature) STEVEN J HENRY
(Sign) (Print Name)

Title: President Date: 07/23/2025

*****ALL SUBCONTRACTORS ARE REQUIRED TO FILL OUT THIS FORM AND SUBMIT WITH BID PACKAGE*** This is a mandatory document. No exceptions will be made.**



CERTIFICATION REGARDING LOBBYING

The undersigned Contractor certifies, to the best of his or her knowledge and belief, that:

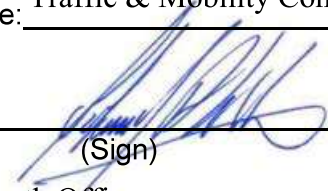
- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions [as amended by “Government wide Guidance for New Restrictions on Lobbying”, 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)]
- (3) The undersigned shall require that the language of this certification be included in the awards documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. 1352 (1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure]

The Contractor, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

Company Name: Traffic & Mobility Consultants LLC

Authorized By:  Mohammed N. Abdallah
(Sign) (Print Name)

Title: Chief Growth Officer Date: 07/22/2025

*****ALL SUBCONTRACTORS ARE REQUIRED TO FILL OUT THIS FORM AND SUBMIT WITH BID PACKAGE*** This is a mandatory document. No exceptions will be made.**



CERTIFICATION REGARDING LOBBYING

The undersigned Contractor certifies, to the best of his or her knowledge and belief, that:

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Company Name: Cotleur & Hearing Landscape Architecture, LLC

Authorized By: Aaron M Wilbur ^{2025.07.23} Aaron Wilbur
(Sign) ^{08:09:02 -04'00'} (Print Name)

Title: Co-President Date: 07/23/2025

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Company Name: H2R Corp

Authorized By: Yves-Stanley Delmas 2025.07.23 08:23:15 -04'00' Yves Stanley Delmas
(Sign) (Print Name)

Title: CEO Date: 07/23/2025

*****ALL SUBCONTRACTORS ARE REQUIRED TO FILL OUT THIS FORM AND SUBMIT WITH BID PACKAGE*** This is a mandatory document. No exceptions will be made.**



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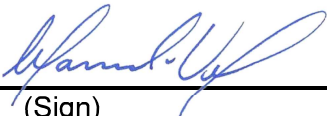
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Company Name: Manuel G. Vera and Associates, Inc.

Authorized By:  Manuel G. Vera Jr., PSM
(Sign) (Print Name)

Title: Chief Executive Officer Date: 07/23/2025

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Company Name: OM Engineering Services, Inc.

Authorized By: Nimesh J Bhavsar Digitally signed by Nimesh J Bhavsar
Date: 2025.07.23 09:06:50 -04'00' Nimesh Bhavsar, P.E.
(Sign) (Print Name)

Title: President Date: 07/23/2025

*****ALL SUBCONTRACTORS ARE REQUIRED TO FILL OUT THIS FORM AND SUBMIT WITH BID PACKAGE*** This is a mandatory document. No exceptions will be made.**

**Request for Taxpayer
Identification Number and Certification**

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

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

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) TMC Acquisitions, Inc.	
	2 Business name/disregarded entity name, if different from above. Propel Engineering, LLC	
	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor <input checked="" type="checkbox"/> C corporation <input type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.)
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions <input type="checkbox"/>	
	5 Address (number, street, and apt. or suite no.). See instructions. 2711 Vista Parkway Suite B-7 6 City, state, and ZIP code West Palm Beach, FL 33411 7 List account number(s) here (optional)	Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN) Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> , later. Note: If the account is in more than one name, see the instructions for line 1. See also <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.	Social security number [] [] [] - [] [] - [] [] [] or Employer identification number 4 6 - 3 3 1 6 9 5 0
--	---

Part II Certification Under penalties of perjury, I certify that: 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and 2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and 3. I am a U.S. citizen or other U.S. person (defined below); and 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct. Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.	
Sign Here Signature of U.S. person <i>Carol Russ</i>	Date <i>9/13/2024</i>

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.
What's New
Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.
New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).
Purpose of Form
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/23/2025

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 M&A and Transaction Services 811 Madison Ave. Toledo OH 43604	CONTACT NAME: Micah Shelton PHONE (A/C, No, Ext): 407-215-2231 E-MAIL ADDRESS: Toledo-office@hylant.com FAX (A/C, No): 419-255-7557
INSURED Propel Engineering, LLC 2711 N. Vista Parkway, Ste B-7 West Palm Beach FL 33411	INSURER(S) AFFORDING COVERAGE INSURER A: Hartford Casualty Insurance Co INSURER B: Property & Casualty Ins Co of Hartford INSURER C: Lloyds Of London INSURER D: INSURER E: INSURER F:
License#: 23894 TRAF&MO-01	NAIC # 29424 34690 100332

COVERAGES**CERTIFICATE NUMBER:** 1829971140**REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			21SBMBK2ENA	10/10/2024	10/10/2025	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
A	<input type="checkbox"/> AUTOMOBILE LIABILITY <input 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			21SBMBK2ENA	10/10/2024	10/10/2025	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000* BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			21SBMBK2ENA	10/10/2024	10/10/2025	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	21WECAZ9L3L	10/10/2024	10/10/2025	<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
C	Professional Liability			PLC-03718-00	10/10/2024	10/10/2025	Each Claim 2,000,000 All Claims 2,000,000

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

* The limit associated with the auto liability is included in the GL

CERTIFICATE HOLDER**CANCELLATION**

For Information Only

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

Nicholas R. Hylant

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