Continuing Contract for Transportation & Traffic Related Professional Services

E-RFP (Event) Number: 20240169 Submitted to: City of Port St. Lucie Submitted by: Johnson, Mirmiran & Thompson, Inc. Contact Person: Joshua Baimel, PE Address: 3731 Oleander Avenue, Fort Pierce, FL 34982 Phone: (954) 233-6560 Due Date: December 12, 2024



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In response to the City of Port St. Lucie, Johnson Mirmiran & Thompson (JMT) has assembled a strong team capable of providing all of the services listed in the scope of work to the City for **Continuing Contract for Transportation & Traffic Related Professional Services contract.** JMT and its subconsultants maintain the necessary licenses/certifications required to perform the services requested in this RFP (please refer to the end of this tab for licenses/certifications).

Contract Manager

Joshua Baimel, PE Vice President, 3731 Oleander Avenue Suite 108 Fort Pierce, FL 34982 (954) 993-9443 jbaimel@jmt.com

50+ YEARS in Business

#16 (ENR) Top 50 Transportation Firms



30+ FIULIUA STAL



Tab 1 | Firm Qualifications

FIRM HISTORY | JMT is a national, full-service, multi-disciplined engineering firm headquartered in Hunt Valley, MD, with 50 office locations nationwide, including three offices and two CEI field offices in Florida. **Established in 1971**, JMT's 2,300+ **professionals** work with federal, state, and local agencies, providing professional engineering design services, construction engineering and inspection (CEI), environmental, planning, architecture, and GIS/information technology services – all dedicated to the highest quality project performance. In 2011, JMT became a **100% employee-owned company**. As part of an ESOP, our employee-owners have a vested interest in the success of our projects. JMT is the **10**th largest **100% employee-owned A/E firm in the Country!**

Ranked #16 by ENR on the Top 50 Transportation Firms list, JMT is widely recognized for its expertise in roadway design and safety (including sidewalk and ADA Compliance), signal design (including interconnect/fiber optic conduit and ITS), drainage analysis and design, signing and pavement marking, lighting, maintenance of traffic, environmental permitting, utility coordination, cost estimates, geotechnical investigation via our partner firms, QA/QC, and all necessary incidental items. With offices strategically located throughout Florida, including our local office in Fort Pierce, which is less than 10 miles from the City offices, JMT has built an outstanding reputation for providing quality, innovative engineering solutions that bring value to the clients and the communities we serve. As an FDOT-Pregualified firm, JMT consistently performs as a dependable, trusted extension of our client's staff. The trust that governmental transportation agencies put into JMT to effectively administer contracts on their behalf is evident by our continued service to the local FDOT office, District Four Treasure Coast Operations, as well as multiple contracts with local municipalities, including the City of Port St. Lucie, the City of Sebastian, and St. Lucie County.

Our portfolio of services and the diversified qualifications of our staff allow us to provide our clients with a structured staffing plan for responsiveness, performance, efficiency, and flexibility. This ensures that all our projects are successfully completed within the established budget and schedule goals. As a result of our diligence in ensuring the successful completion of all our projects, JMT has been recognized through various industry awards in Florida and client commendations, including FTBA "Best in Construction" Awards, as well as publications in Roads & Bridges magazine.

The JMT team is experienced and well-positioned to handle the requirements and commitments associated with this contract; the real value of JMT is in the quality of staff that we employ. Our experienced and qualified staff will provide exceptional service to the City of Port St. Lucie. In addition, we have carefully designated our Project Manager and key staff members who can be dedicated to the City. JMT's project team will be led by our Project Manager, Joshua Baimel, PE, who has more than 25 years of experience managing simultaneous projects and TWO-based contracts for Martin County, Districts 4 and 6. He will coordinate work among the technical teams providing primary services identified by the City and engage in the supporting services to affect their support of the technical teams as needed. Joshua has a successful track record of managing task work order contracts.

Tab 1 | Firm Qualifications

The JMT Team encompasses all the services listed in this scope of services to effectively and efficiently complete the anticipated project tasks. As shown below, you will find a comprehensive summary of the experience and qualifications of our key project members.



JOSHUA BAIMEL, PE | PROJECT MANAGER

Education | BS, Civil Engineering, University of Florida, 1999 Registrations | Professional Engineer: FL 59999

Years of Experience | 25 Availability | 75%

With 25 years of FDOT project experience, Mr. Baimel is a Senior Project Manager responsible for the management, design, and development of transportation projects, including overall project oversight/client relations, serving as the Engineer of Record and quality assurance/ quality control liaison for roadway plan components, budget and schedule maintenance, and public outreach coordination. His design and production experience includes the development of roadway plans, traffic control plans, drainage design, signing and pavement markings plans, lighting and traffic signal plans, utility coordination, and technical reports/ packages (RRR, LDAR, Pavement Design, Typical Section, Specifications).



SERGIO QUEVEDO, PE, PTOE, RSP1 | PRINCIPAL-IN-CHARGE AND QA/QC PRODUCTION SUPPORT

 Education | BS, Civil Engineering, University of Florida, 2000; MS, Civil Engineering, University of Florida, 2001
 Registrations | Professional Engineer: FL 63084; Professional Traffic Operations Engineer (PTOE) 2291; Road Safety Professional – Level 1: 676

Years of Experience | 22 Availability | 60%

Mr. Quevedo has 22 years of experience in managing a staff of technical personnel performing traffic operational and safety studies, ADA assessments, signing and pavement marking design, signalization design, ITS design, and lighting design. His responsibilities have included coordination with clients, field reviews, plans and report preparation, and quality assurance. He is JMT's Florida Regional Manager, overseeing the operations of JMT's Florida offices. Under this role, he will ensure that resources are properly managed and quality is maintained at the highest level.

Tab 2- " Personnel & Experience " includes resumes for Sergio and Joshua, as well as our talented and experienced staff.

TEAM QUALIFICATIONS AND ORGANIZATION | JMT's recent experience working with cities and counties throughout Florida gives our team a unique perspective on the disciplines required to deliver a capital improvement design project. Our organizational chart, found under Tab 2, shows that we have team members available for the services required in the scope.

We pride ourselves on our teamwork, diversity, and respect. Staff from JMT's Fort Lauderdale office will be performing the majority of services required, including Roadway/Highway Design, Stormwater Design, Environmental Analysis, Permitting, and Project Management. These services will also be supported by staff in our other offices, including Tampa, Fort Pierce, and Lake Mary offices, where we provide Traffic Design, Traffic Studies and Planning, Grant Assistance, and Cultural Resources. JMT has an open working relationship between our offices, and our motto is "One JMT." Leadership and Project Managers from all our offices meet every Monday to discuss workload and resource allocation and operate as one. This teamwork is second to none, and we can guarantee that based on the work that we have successfully delivered together.

JMT commits to The City of Port St. Lucie an exceptional team of experienced and uniquely qualified professionals who have unmatched knowledge in their fields of expertise. In addition to the staff that is proposed on the organizational chart, JMT has resources that can easily be called upon if necessary. JMT has 90 professional staff members throughout our Florida offices and over 2,350 professional staff nationwide. This guarantees that we have the resources to deliver projects efficiently and cost-effectively and we guarantee that we will be responsive to your needs. Our team also includes 27 Florida Professional Engineers, 9 MOT-certified staff, two Professional Traffic Operations Engineers (PTOE), and two Envision Sustainability Professionals (ENV SP). Another unique feature of our team is that we have five certified Roadway Safety Professionals (RSP). These individuals are found throughout our organizational chart, from our team leadership with our Principal-In-Charge to our design staff.



Tab 1 | Firm Qualifications

To further enhance our Team, we will be utilizing Andersen Andre Consulting Engineers, Inc. for Geotechnical Services, Cotleur & Hearing, Inc. for Landscape Design, and CivilSurv Design Group, Inc. for Survey/SUE. The JMT Team has partnered with these firms on multiple contracts throughout the State. Our continued success and Team First philosophy has led to future partnerships on some of the most challenging projects in the region.



Andersen Andre Consulting Engineers, Inc. (AACE) will provide Geotechnical Services on this contract. Headquartered in Port St. Lucie, AACE has been providing engineering and consulting services throughout Florida with a primary focus on local projects on the Treasure Coast of Florida (St. Lucie, Martin, and Indian River Counties), Palm Beach County, Okeechobee County, and Highlands County: Co-founders Peter G. Andersen, PE and David P. Andre, PE have nearly 60

years of combined experience providing geotechnical engineering, construction materials testing and environmental consulting. JMT and AACE have completed numerous projects together for the City and are currently working together on the adjacent Sansone Blvd. Extension and Tom Mackie Blvd. Extension projects.

CIVILSURV

CivilSurv Design Group, Inc (CSI) will provide survey for this project. CSI is a Florida Small Business Enterprise (SBE) and ranked in the nation's Top 100 by P.O.B. Magazine. They have served the region on a wide variety of projects on a continuous basis since 1980. While the practice of Surveying and Mapping is a time-honored profession firmly

rooted in the traditions and legal principles of the past, modern technology has provided us with equipment, such as the most advanced Riegl LiDAR, that greatly expedites the successful completion of projects. With offices located throughout Florida, CSI's Port St. Lucie office will be the responsible office for this contract.



Cotleur & Hearing Landscape Architecture, LLC (C&H) will provide landscape architecture services for this contract. C&H provides services to a multitude of high-profile clients, including the Florida Department of Transportation, Florida Power & Light, and South Florida Water Management District, along with numerous counties, municipalities,

land developers, and many other private sector clients statewide. In addition to its extensive portfolio here in Florida, the firm also has signature projects in the Bahamas and the Caribbean. Conceiving and managing complex projects requires the kind of skill and talent that is only developed through experience. C&H's seasoned staff includes landscape architects, land planners, urban planners, landscape designers, irrigation designers, graphic designers, arborists, environmental specialists, and certified landscape inspectors. C&H has traditional Landscape Architecture and Planning Departments, as well as a highly specialized Transportation Department that is dedicated to transportation landscape architecture, streetscape, and mobility projects, serving their public sector clients exclusively.





Tab 1 | Firm Qualifications

SIMILAR EXPERIENCE Our Florida staff provides civil engineering, CEI, environmental consulting, and cultural resources to a wide variety of municipal clients, including the Florida Department of Transportation, cities, counties, school boards, and water management districts. We bring a track record of successful engineering projects throughout Florida. With this emphasis on serving local governments and our experience, we understand cities' and counties' issues and concerns. Our team has experience in all the required disciplines/scope of services and can meet any need that may arise. JMT has been performing similar services for local City and county governments within the State of Florida since 1997, serving as the prime consultant for the following municipal clients:

- City of Apopka
- City of Boca Raton
- City of Doral
- City of Dunedin
- City of Gainesville
- City of Hollywood
- City of Largo
- City of Maitland
- City of Miami
- City of Miramar
- City of Newberry
- City of Oakland Park
- City of Pahokee

- City of Parkland
- City of Port St. Lucie
- City of Sebastian
- City of St. Augustine
- City of St. Petersburg
- City of Tampa
- City of West Palm Beach
- City of Winter Springs
- Broward County
- Flagler County
- Highlands County
- Hillsborough County
- Indian River County

- Lake County
- Lee County
- Marion County
- Miami-Dade County
- Orange County
- Osceola County
- Palm Beach County
- Pinellas County
- Pinellas County School Board
- Putnam County
- Seminole County
- SJRWMD
- St. Lucie County

JMT is widely recognized for its expertise in roadway design and safety, signal design, drainage analysis and design, signing and pavement marking, lighting, maintenance of traffic, environmental permitting, utility coordination, cost estimates, geotechnical investigation via our partner firms, QA/QC, and all necessary incidental items for this project. Our team's similar experience shown on the following pages demonstrates our capabilities as it relates to the complexity and scope of this project.

Our firm takes pride in delivering high-quality projects to its clients and the public. As the choice for Florida engineering projects, **JMT has completed more than \$1B in infrastructure improvement projects**. Below is a summary of the annual volume of work JMT has performed over the past five (5) years:

Annual Volume of Work by Year 2019-2023							
	2019	2020	2021	2022	2023		
Company-Wide	\$304.3M	\$318.4M	\$283.6M	\$362.5M	\$414M		

WHY CHOOSE OUR TEAM

- ✓ Single Point of Contact with Joshua Baimel, PE, for all contract and project needs.
- ✓ Joshua is a highly experienced Project Manager.
- ✓ Proven track and performance record working with municipalities throughout the State.
- ✓ Familiarity with local agencies/water management districts, local residents, and local industry pulse.
- ✓ Value Added Staff with flexibility, experience, and aptitude.

Our Team looks forward to working with the City on this exciting contract. The following pages present five recent and relevant projects that our local JMT team has completed.





CONTINUING SERVICES FOR PROJECT DESIGN | FDOT DISTRICT 4

PROJECT DESCRIPTION

This contract is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Support services include surveying and mapping, geotechnical engineering, public involvement, utility coordination, 3D modeling, and environmental permitting.

Tasks include:

- SR 5/US-1 Intersection Improvements at N Baker Rd, FDOT PM: Damaris Williams, PE
- SR 5/US-1 Intersection Improvements at N. River Shores Blvd, FDOT PM: Damaris Williams, PE
- SR 5/US-1 Intersection Improvements at Sunset Blvd, FDOT PM: Damaris Williams, PE
- SR 5/US-1 Intersection Improvements at SR 76/Kanner Hwy, FDOT PM: Damaris Williams, PE
- SR 5/US-1 Intersection Improvements at SW Joan Jefferson Way and at SW Ocean Blvd (Martin Co.) FDOT PM: Leslie Wetherell, PE
- R A1A Resurfacing, Restoration, and Rehabilitation (3R) from Sheridan St to Dania Beach Blvd (Broward Co.) FDOT PM: Vandana Nagole, PE
- SR 807/Congress Ave at 10 Ave North Intersection Improvements (Palm County) FDOT PM: Jeffrey Robbert, PE
- R 68/Orange Blvd at SR 713 Kings Hwy & I-95 SB On-Ramp Relocation (St. Lucie County) FDOT PM: Claudia Vinitskiy-Calvo, PE
- R 842/Las Olas Blvd Over the ICWW Bascule Bridge Rehabilitation (Broward County) FDOT PM: Thuc Le, PE







SR 5/US-1 at NW River Shores Blvd



PROJECT LOCATION Throughout FDOT District 4

OWNER'S CONTACT NAME AND ADDRESS FDOT District 4 3400 W. Commercial Blvd. Fort Lauderdale, FL 33309

PRIMARY OR SUBCONTRACTOR Prime

CONTACT PERSON/PHONE NO. / EMAIL ADDRESS Anson Sonnett, Contract Manager (954) 777-4474 anson.sonnett@dot.state.fl.us PROJECT DURATION (DATES) 2022 - Current 2

SR-811/NE 4TH AVENUE (WILTON DRIVE) FROM SR-838/SUNRISE BOULE-VARD TO NE 26TH STREET | FDOT DISTRICT 4

PROJECT DESCRIPTION

JMT served as the FDOT District 4 Owner's Representative and EOR for the construction of this lane elimination/complete streets project along SR 811 (Wilton Drive) within the cities of Fort Lauderdale and Wilton Manors. JMT stepped in to rescue this project during the production phase, and ultimately took on the role of the FDOT Owner's Representative to see the project through to final construction. There were significant design changes and RFIs with respect to the original plans, extensive stakeholder coordination, complex traffic detours, dozens of field reviews, shop drawing reviews, and meetings with the contractor on an almost daily basis.

The scope involved reducing the roadway from a 5-lane typical section to a 3-lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting

PROJECT LOCATION Fort Lauderdale, FL

OWNER'S CONTACT NAME AND ADDRESS FDOT District 4 3400 W. Commercial Boulevard, Fort Lauderdale, FL 33309

PRIMARY OR SUBCONTRACTOR Prime

CONTACT PERSON/PHONE NO. / EMAIL ADDRESS Humberto Arrieta, PE (954) 777-4152 humberto.arrieta@dot.state.fl.us PROJECT DURATION (DATES) 2018-2020

to LED luminaires, signalization upgrades, tree disposition and irrigation improvements, and a Level 2 TTCP scheme that required constant coordination with the municipalities, local businesses, and the nearby Fort Lauderdale High School. This project was developed under the Broward MPO Complete Streets Master Plan and because of the project, the corridor has seen a roughly 50% improvement in travel times while seeing 66% decrease in bicycle and pedestrian crashes and a 75 percent reduction in severe-injury and fatal crashes.

In 2021, U.S. Secretary of Transportation, Pete Buttigieg, announced that the Wilton Drive Complete Street Implementation under the Broward MPO Complete Streets Master Plan was one of seven projects that were awarded the 2021 National Roadway Safety Award in the "Program Planning, Development and Evaluation" category. According to the Roadway Safety Foundation website, while the initial concept was "poorly received by many in the community, who were concerned that the lane elimination would cause long delays", the corridor has seen a roughly 50 percent improvement in travel times" and "business owners report(ed) an uptick in economic activity.



3

SR-826/SUNNY ISLES BOULEVARD FROM NE 38TH AVENUE TO SR-A1A/COLLINS AVENUE

PROJECT DESCRIPTION

JMT designed this RRR project with safety improvements within an urban segment of SR 826 in the City of Sunny Isles Beach, FL. The project included milling and resurfacing the bifurcated segment of SR 826 from east of the Intracoastal Waterway to SR A1A, including all inner and outer loop ramps. The scope included reconstruction of substandard pedestrian ramps, upgrading/installing guardrail and end treatments, signing and pavement markings (including the addition of bicycle lanes), signalization improvements (new mast arm at NE 35 Ave and new pedestrian features at mid-block crossing on EB SR 826), and safety enhancements at N. Bay Rd. and several ramps to reduce crashes.

PROJECT LOCATION Sunny Isles Beach, FL

OWNER'S CONTACT NAME AND ADDRESS FDOT District 6 1000 NW 111th Avenue Miami, FL 33172

PRIMARY OR SUBCONTRACTOR Prime

CONTACT PERSON/PHONE NO. / EMAIL ADDRESS Ivette Funtanellas, PE (305) 470-5270 ivette.funtanellas@dot.state.fl.us

PROJECT DURATION (DATES) 2020 - Present





MISCELLANEOUS PROFESSIONAL ENGINEERING SERVICES FOR BICYCLE AND PEDESTRIANS

PROJECT DESCRIPTION

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

This task work order-based contract includes design for pedestrian and bicycle improvements including Local Agency Projects (LAP) through FDOT. These tasks include design of standard sidewalks, multi-use paths, ADA upgrades to intersections and curb ramps, drainage and permitting associated with the sidewalk improvements, utility coordination, and surveying. Recent tasks completed by JMT include:

PROJECT LOCATION Hillsborough County, FL

OWNER'S CONTACT NAME AND ADDRESS Hillsborough County 601 E Kennedy Blvd, Tampa, FL 33602

PRIMARY OR SUBCONTRACTOR Prime

CONTACT PERSON/PHONE NO. / EMAIL ADDRESS Amanda Sotomayor, PE (813) 307-1850 sotomayora@hillsboroughcounty.org PROJECT DURATION (DATES)

2018 - Ongoing

<u>Sidewalk Feasibility Studies (Countywide)</u>: Under this project, JMT analyzed the feasibility of pedestrian and bicycle safety improvements for 46 locations within Hillsborough County. Included in the feasibility studies were right of way evaluations, field reviews, concepts and estimates, and a report. We utilized multiple Hillsborough County GIS layers to obtain crash data, environmental information, bus stop locations, archaeological information, existing permits and other pertinent information to be included within the reports.

<u>Cain Road Sidewalk Improvements</u>: This project consisted of design for sidewalk along the east side of Cain Road from Gunn Highway to Pine Bay Drive. Right-of-way was constrained along this roadway and the design included modifying the open drainage system and developing design exceptions for the ditch design and shoulder widths.

Bruce B. Downs Boulevard at Bearss Avenue Sidewalk Improvements: This project consisted of design for sidewalk in the northeast corner of the intersection of Bruce B. Downs Boulevard and Bearss Avenue. Sidewalk connectivity was required to access the crosswalks at the signalized intersection.

Cypress Creek Elementary: As a part of the School Safety Circulation Enhancements, this project included the addition of an eight-foot paved shoulder along the westbound lanes of 19th Avenue NE for approximately 355 feet. It also includes the addition of a five-foot sidewalk, and drainage and signing and marking improvements.

Doby Elementary: As a part of the School Safety Circulation Enhancements, this project included the addition of an eight-foot paved shoulder along the southbound lanes of Covington Garden Drive for approximately 1,100 feet. It also includes the relocation of the existing sidewalk, and drainage and signing and marking improvements.

<u>Walker Middle School</u>: The purpose of this project was to design a paved outside shoulder on the south side of Mobley Road. This proposed shoulder required the design of a new ditch and ADA compliant sidewalk for Walker Middle School. The project included milling and resurfacing within the project limits, updating pavement markings and signage, including for the school zone, and installing a new crosswalk at the Walker Middle School driveway entrance.





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PROFESSIONAL ENGINEERING SERVICES FOR TRAFFIC AND ROAD SAFETY

PROJECT DESCRIPTION

JMT provides studies and design for traffic safety and operations under Hillsborough County's Miscellaneous Traffic Engineering Services and Professional Engineering Services for Traffic and Road Safety contract.

Recent tasks performed throughout the County include:

- **Traffic Calming Studies** | Provided studies and data collection to determine levels of speed and pedestrian and bicycle activity on local roads. These studies provided safety recommendations for application of traffic calming measures including speed tables and raised intersections.
- Traffic Safety Public Request Investigations | Provided in-house County support for over two years for traffic investigations, including customer response, field reviews, and producing work order plans for implementation.
- Safe Routes to School (SRTS) Project Development | Identified student walking routes in GIS and field, facilitated community
 engagement, provided recommendations, alternatives analysis, estimates, project development, and grant support for improvements for
 walkability, speed management, and to improve the bicycle and pedestrian network surrounding several school walking sheds.
- Transit Stop Safety Prioritization | Provided GIS transit risk score for transit stops countywide using crash data, roadway characteristics that create barriers to safety and walkability for pedestrians and bicyclists. Utilized risk scores for transit program project development.
- Safe Access to Transit Feasibility Studies | Provided feasibility analysis, conceptual plans, cost estimates and recommendations to improve safety and accessibility for pedestrians and bicyclists to access transit, including signalized and unsignalized intersection safety, LPI, NRTOR, bulbouts, centerline hardening, transit stop enhancements and relocation, corridor and crosswalk/intersection lighting, sharrows, green bike lanes, separated bike lanes, widened sidewalks, shared-use paths, speed management, midblock crosswalks, RRFBs, PHBs, and ADA upgrades.
- Transportation Safety and Mobility Reporting | Provided graphics, content and layout for annual safety and mobility report.
- No Right Turn on Red (NRTOR) Analysis | Analyzed signalized intersections on school walking routes for appropriate NRTOR treatment.
- In-House Training | Provided in-house training to County staff for producing roadway, signing, and pavement marking plans in OpenRoads.
- Hazardous Walking Routes | Provided feasibility analysis, field reviews, conceptual plans, and cost estimates to mitigate hazardous walking routes to school for several locations throughout the County.
- Harvest Hope Park/Mort Elementary Wayfinding | Verified walking routes, crashes, counts, outreach, and field reviews to develop wayfinding, plans, and estimates for traveling between park and school. Used decorative crosswalks, bulbouts, graphics, and landscape architecture.
- GIS Database and Mapping | Provided GIS database and mapping support for crashes, SRTS, NRTOR, LPI, and lighting programs.
- Traffic Data Collection | Performed speed studies, pedestrian and bicycle counts, video collection, TMCs and approach counts.
- Design Plans | Provided various design plans including signing, pavement markings, signalization, ITS, lighting, sidewalks, roadway, drainage
- Signal Warrant Studies | Performed studies for several intersections. Activities included data collection, field reviews, crash analysis, intersection delay studies, signal warrant analysis, roundabout screening, and recommendations provided in a signed and sealed final report.
- Corridor Safety Studies | Completed a Before/After Safety Study for the Fletcher Avenue Complete Streets project which included pedestrian counts, safety analysis, travel time analysis, and presentation.
- Origin-Destination Studies | Performed a safety study for the Carrollwood Village community. Included origin-destination analysis, roundabout assessments, speed studies, and a safety assessment.
- Pedestrian Crossing Studies | Performed crossing studies at many locations. Collected pedestrian and bicycle volume data, field reviews, crash analysis, qualitative assessment, and recommendations provided in a signed and sealed final report.
- Midblock Pedestrian Signal Designs | Included design of several new RRFB pedestrian crossings and a double arm mast arm pedestrian signal with audible pedestrian signals, special emphasis crosswalk, new curb ramps, and pedestrian lighting.
- Temporary Traffic Control Plans | Produced temporary traffic control plans in support of the County's construction activities.
- Lighting Studies | Performed lighting investigations and lighting studies for many locations throughout Hillsborough County including school bus stop locations, commercial and residential areas, and USF in support of the County Streetlight Maintenance Program.



PROJECT LOCATION Hillsborough County, FL

OWNER'S CONTACT NAME AND ADDRESS Hillsborough County 601 E Kennedy Blvd, Tampa, FL 33602

PRIMARY OR SUBCONTRACTOR Prime

CONTACT PERSON/PHONE NO. / EMAIL ADDRESS Michael Flick, PE (813) 307-1881 flickm@hillsboroughcounty.org

PROJECT DURATION (DATES) 2016 - Ongoing

FIRM LICENSES

Johnson, Mirmiran & Thompson, Inc. | Firm PE FL 5917



SUBCONSULTANT FIRM LICENSES

Andersen Andre Consulting Engineers, Inc. | Firm FL PE 26794





CilvilSurv Design Group, Inc. | License No. LB7805



Cotleur & Hearing | Firm RLA No. LA0000943



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David Andre, PE (AACE) | FL PE 53969











E-RFP Number: 20240169 Continuing Contract for Transportation & Traffic Related Professional Services







Joshua Baimel, PE CONTRACT/PROJECT MANAGER

EDUCATION

BS, Civil Engineering, University of Florida, 1999 **REGISTRATION** Professional Engineer: FL 59999 **CERTIFICATION** FDOT Advanced Maintenance of Traffic (MOT) **YEARS OF EXPERIENCE** 25 With 25 years of FDOT project experience, Mr. Baimel is a Senior Project Manager responsible for the management, design, and development of transportation projects, including overall project oversight/client relations, serving as the engineer of record and quality assurance/ quality control liaison for roadway plan components, budget and schedule maintenance, and public outreach coordination. His design and production experience includes the development of roadway plans, traffic control plans, drainage design, signing and pavement markings plans, lighting and traffic signal plans, utility coordination, and technical reports/ packages (RRR, LDAR, Pavement Design, Typical Section, Specifications).

FDOT District 4 Continuing Service for Project Design, *FDOT District 4*. Project Manager. This contract is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Tasks include five roadway improvement projects in Martin County, as well as resurfacing and bridge rehabilitation projects.

SR 811/NE 4th Avenue/Wilton Drive (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL. *FDOT District 4*. Project Manager. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project along SR 811 within the Cities of Fort Lauderdale and Wilton Manors. The scope involved reducing the roadway from a 5-lane typical section to a 3-lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition and irrigation improvements, and a Level 2 TTCP scheme that requires constant coordination with the municipalities, local businesses and the nearby Fort Lauderdale High School—2021 National Roadway Safety Award and FTBA 2020 "Best in Construction" Award for Maintenance of Traffic.

SR 826/Sunny Isles Boulevard from Northeast 35th Avenue to SR A1A/Collins Avenue, Miami-Dade County, FL. *FDOT District 6.* Project Manager/Engineer of Record. This RRR project with safety improvements was within an urban segment of SR 826 in the City of Sunny Isles Beach, FL. The project proposed to mill and resurface the bifurcated segment of SR 826 from east of the Intracoastal Waterway to SR A1A, including all inner and outer loop ramps; scope included reconstruction of substandard pedestrian ramps, upgrading/installing guardrail and end treatments, signing and pavement markings (including addition of bicycle lanes), signalization improvements (new mast arm at Northeast 35th Avenue and new pedestrian features at mid-block crossing on East Bound SR 286), and safety enhancements at North Bay Road and several ramps to reduce crashes.

SR 5/US 1/Roosevelt Bridge Re-striping from SW Joan Jefferson Way to NW Wright Boulevard, Martin County, FL. *FDOT District 4.* Project Manager. JMT provided roadway, signing and pavement marking, and signalization design for restriping the Roosevelt Bridge over the St. Lucie River on SR 5. In addition to providing buffered bicycle lanes, improvements also included upgrades to sidewalks and ADA ramps and replacement of TMS sites.

SR 68/Orange Avenue from SR 713/Kings Highway to East of I-95 SB Ramp, St. Lucie County, FL. *FDOT District 4.* Senior Engineer. This \$7.2M construction project consisted of interchange improvements along SR 68/Orange Avenue from SR 713/Kings Highway to east of I-95 SB ramp in St. Lucie County. The improvements consisted of providing dual WB SR 68 right turn lanes at the approach to the Kings Highway intersection, and the reconstruction of the EB SR 68/Orange Avenue to SB I-95 on ramp. The scope of work includes milling and resurfacing, pavement widening, ADA upgrades, drainage modifications, signalization upgrades consisting of new mast arms and pedestrian signalization features, and lighting upgrades. As prime consultant, JMT provided the following scope of services: 1) horizontal/vertical alignment design; 2) curb ramp design; 3) pavement design; 4) drainage system design including inlet spacing and pipe sizing; 5) bike lanes; 6) Level 2 traffic control plan design including typical sections, plans, and details/detours; 7) utility coordination; 8) S&PM design; 9) mast arm and pedestrian signalization design; 10) lighting design including photometrics; 11) public involvement; 12) survey & subsurface utility exploration.

SR-9336 / Southwest 344th Street/Palm Drive from SW 192nd Avenue to West of SR-5/US-1, Miami-Dade County, FL. *FDOT District 6.* Project Manager. Within the project limits, SR 9336/SW 344 Street is a 1.8-mile arterial corridor, which begins as a two-lane, two-way roadway that transitions to an urban, divided four-lane section within the City of Florida City and provides access to US-1 and the nearby Florida's Turnpike, Florida City Hall, the South Dade Transitway Corridor, the well-known Robert-is-Here fruit stand and other farmer's markets, and the Everglades National Park. The scope of this 3R project with safety improvements includes milling and resurfacing the travelway, addition of paved shoulders in the rural segment between SW 192nd Avenue and NW/SW 6th Avenue, installation of a 12'-wide shared-use path from



SW 188th Avenue to NW/SW 6th Avenue which continues to a widened 10'-wide sidewalk along the urban segment from SW/NW 6th Avenue to SR 5/US 1, on-street parking, and upgrades to sidewalks/ADA ramps, bus stops, signing and pavement markings, signalization, lighting, and landscaping. The project involved extensive coordination with the City and Miami-Dade County for off-system agreements to construct the shared-use path and to install geometric and safety upgrades at the intersection of SW/NW 6th Avenue, and to provide special elephant markings at the busway.

SR 838/Sunrise Boulevard from I-95 to SR 5/US 1, Broward County, FL. *FDOT District 4*. Senior Engineer. JMT was selected by FDOT District 4 to perform milling and resurfacing for the existing pavement on Sunrise Boulevard in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. The improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection of NW 13 Avenue; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks).

Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 (Off-System), Broward County, FL. *FDOT District 4. (Protean Design Group).* Senior Engineer/EOR for Temporary Traffic Control Plan. This off-system project involved the reconstruction of Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 to accommodate 11 lanes, 5-ft bike lanes in each direction, and a sidewalk on the south side. Loxahatchee Road is an existing 2-lane rural section that is 6.2 miles long. Project challenges included accommodating three (3) round-a-bouts within the limited right-of-way, maintaining traffic during construction, and coordination between the various stakeholders (FDOT, City of Parkland, Broward County, and adjacent construction projects). Wetlands were delineated on Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441. Team biologists coordinated with design engineers to minimize impacts to wetlands, protected species, and secondary impacts.

SR 5 North of George Bush Boulevard to North of Murano, Palm Beach County, FL. *FDOT District 4.* Project Manager. This RRR project included milling and resurfacing to extend the life of the pavement, ADA upgrades, signing, pavement markings, signalization, and safety improvements.

SR 80/Southern Boulevard Ramps and SR 7/US 441, Palm Beach County, FL. *FDOT District 4*. Senior Engineer. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR-7/US-441 and the SR-80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the EB and WB SR-80 ramps and dual right turns on NB and SB SR-7. The project includes widening of the C-51 bridge, signalization, lighting, and drainage improvements.

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

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

SR A1A from Oakland Park Boulevard (SR 816) to Flamingo Avenue RRR, Broward County, FL. *FDOT District 4.* Assistant Project Manager/Senior Project Engineer. This 1.1-mile resurfacing, restoration, and rehabilitation (RRR) project is located in the City of Fort Lauderdale. Responsibilities included roadway design services for the resurfacing of the 6-lane divided urban typical section, in which existing lane widths were reduced to accommodate bicycle lanes throughout the corridor. In addition to the pavement resurfacing, other improvements include upgrades to signing and pavement markings, traffic signal features, and landscape architecture; numerous safety issues and ADA deficiencies will also be addressed. This high-profile project required close coordination with residents and municipal stakeholders to ensure a positive public perception of the project.

Turtle Creek Drive/NW 62 Avenue from South of SR 834/Sample Road to SR 7/US 441 (Off-System), Broward County, FL. *FDOT District 4.* Senior Engineer. *(KCI Technologies, Inc.).* This off-system project involved minor roadway widening in north-central Broward County, FL, within the Cities of Margate and Coral Springs to create designated bicycle lanes along Turtle Creek Drive from south of Sample Road to SR 7; sidewalk and ADA ramp replacement; and resurfacing and re-striping of the four-lane divided travel way. JMT's scope included TTCP and Utility Coordination.





Sergio Quevedo, PE, PTOE, RSP1

PRINCIPAL-IN-CHARGE OA/OC SUPPORT

EDUCATION

BS, Civil Engineering, University of Florida, 2000 MS, Civil Engineering, University of Florida, 2001 REGISTRATION

Professional Engineer: FL 63084 (Issued 7/15/2005) **Professional Traffic Operations** Engineer (PTOE) 2291 Road Safety Professional – Level 1: 676 **YEARS OF EXPERIENCE** 22

Mr. Quevedo has 22 years of experience in managing a staff of technical personnel performing traffic operational and safety studies, ADA assessments, signing and pavement marking design, signalization design, ITS design, and lighting design. His responsibilities have included coordination with clients, field reviews, plans and report preparation and quality assurance. His experience includes numerous traffic studies, covering signal warrants, intersection safety, and operations, arterial safety and operations, four-way stop warrants, signal retiming, speed, delay, and fatal crash and high crash location reviews. His specialty is in traffic safety, and he has served in-house at FDOT District 1, supporting their safety program, and has also served as Interim District Safety Engineer in District 3, leading their safety program.

FDOT District 4 Continuing Service for Project Design, FDOT District 4. QA/QC Manager. This contract is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Tasks include five roadway improvement projects in Martin County, as well as resurfacing and bridge rehabilitation projects.

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

SR 811/NE 4th Avenue (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL. FDOT District 4. Quality Assurance/Traffic Engineer. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project along SR 811 within the Cities of Fort Lauderdale and Wilton Manors. The scope involved reducing the roadway from a 5-lane typical section to a 3lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition, and irrigation improvements, and a Level 2 TTCP scheme that requires constant coordination with

the municipalities, local businesses, and the nearby Fort Lauderdale High School. The project was awarded the 2020 FTBA Best in Construction for MOT and the 2020 FHWA National Roadway Safety Award.

SR 5/US 1/Roosevelt Bridge Re-striping from SW Joan Jefferson Way to NW Wright Boulevard, Martin County, FL. FDOT District 4. Quality Control Manager. JMT provided roadway, signing pavement marking, and signalization design for the restriping of the Roosevelt Bridge over the St. Lucie River on SR 5. In addition to providing buffered bicycle lanes, improvements also included upgrades to sidewalks and ADA ramps and replacement of TMS sites.

SR 80/Southern Boulevard Ramps and SR 7/US 441, Palm Beach County, FL. FDOT District 4. Quality Assurance. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR 7/US 441 and the SR 80 corridor, a SIS facility, to deliver intersectionlevel operational and capacity improvements, including triple left turns and dual right turns for the EB and WB SR 80 ramps and dual right turns on NB and SB SR 7. The project includes widening of the C-51 bridges, signalization, lighting, and drainage improvements.

SR 5/US 1 North of George Bush Boulevard to C-16 Canal, Palm Beach County, FL. FDOT District 4. Traffic Engineer. This 4-mile RRR project within the Cities of Delray Beach and Boynton Beach included milling and resurfacing to extend the life of the pavement, ADA upgrades, signing, pavement markings, signalization, and safety improvements.

Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 (Off-System), Broward County, FL. FDOT District 4 (FM No.436564-1-32-01) (Protean Design Group). Senior Traffic Engineer. This project involves the reconstruction of 1 | Sergio Quevedo, PE, PTOE, RSP1 - Principal-In-Charge | QA/QC Support 23



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

Districtwide Safety Study and Minor Design, Bartow, FL. *FDOT District 1.* Contract/Project Manager for this Districtwide contract to perform traffic safety studies in support of the District 1 HSIP program. This has included data collection, safety studies, lighting justification reports, and benefit-cost/net present value analyses to determine if a candidate project qualifies for HSIP funding.

Safety Studies and Minor Design - Continuing, Districtwide, FL. *FDOT District 7.* Senior Traffic Engineer. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent tasks include engineering support services, severe crash location reviews, road safety audits and safety assessment reports, Pasco Countywide Bicycle Safety Action Plan, corridor lighting prioritization safety reviews and studies, pedestrian/bicycle engineering safety initiative, mid-block crossing studies, and analyses for additional crossings at signalized intersections. Design tasks include Dale Mabry Highway lighting, signal installation at SR 574 (MLK) at 26th Street, Hillsborough Avenue HAWK installation, and US 19 pedestrian improvements.

Districtwide Safety Studies, Districtwide FL. *FDOT District 3.* Project Manager for this Districtwide contract to perform traffic safety studies in support of the District 3 HSIP Program. This has included a comprehensive safety study of I-10 with a focus on recommendations to reduce the number of lane departure crashes along the corridor.

SR 10 (US 90A) East Nine Mile Road from Palafox Street to Chemstrand Road, Escambia County, FL. *FDOT District 3.* Project Manager. JMT is designing and preparing contract documents for improvements of Alt US 90 (Nine Mile Road) from Palafox Street to Chemstrand Road in Escambia County. The roadway and safety improvements along Nine Mile Road comprised the installation of medians, paved shoulders, minor resurfacing, and the removal of tapered acceleration lanes. Improved pedestrian facilities (pedestrian signals and sidewalks) were also included. These enhancements were constructed on time and within budget.

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

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

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

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

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





Robin Hernandez, PE, RSP1

QA/QC MANAGER

EDUCATION

BS, Civil Engineering, University of South Florida, 2003 **REGISTRATIONS** Professional Engineer: FL 68411

Road Safety Professional – Level 1: 655

CERTIFICATIONS

FDOT Specifications Package Preparation FDOT Advanced Temporary Traffic Control (TTC/MOT) FDOT Americans with Disabilities Act for Designers

YEARS OF EXPERIENCE 22

Ms. Hernandez has 22 years of experience in civil engineering design and project management. She has managed multiple task-based contracts and roadway improvement projects for FDOT, Pinellas County, and Hillsborough County. Her design background includes roadway and pavement design, temporary traffic control, specifications, cost estimation, ADA improvements, and roadway and traffic safety improvements. Ms. Hernandez also has experience in road safety audits, preliminary engineering reports, and safety analysis reports.

SR 811/NE 4th Avenue/Wilton Drive (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL. *FDOT District 4.* QA/QC Manager. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project along SR 811 within the Cities of Fort Lauderdale and Wilton Manors. The scope involved reducing the roadway from a 5-lane typical section to a 3lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition and irrigation improvements, and a Level 2 TTCP scheme that requires constant coordination with the municipalities, local businesses and the nearby Fort Lauderdale High School—2021 **National Roadway Safety Award** and **FTBA 2020 "Best in Construction" Award for Maintenance of Traffic.**

SR 826/Sunny Isles Boulevard from Northeast 35th Avenue to SR A1A/Collins Avenue, Miami-Dade County, FL. *FDOT District 6.* QA/QC Manager. This RRR project with safety improvements was within an urban segment of SR 826 in the City of Sunny Isles Beach, FL. The project proposed to mill and resurface the bifurcated segment of SR 826 from east of the Intracoastal Waterway to SR A1A, including all inner and outer loop ramps; scope included reconstruction of substandard pedestrian ramps, upgrading/installing guardrail and end treatments, signing and pavement markings (including addition of bicycle lanes), signalization improvements (new mast arm at Northeast 35th Avenue and new pedestrian features at midblock crossing on East Bound SR 286), and safety enhancements at North Bay Road and several ramps to reduce crashes.

SR 5/US 1/Roosevelt Bridge Re-striping from SW Joan Jefferson Way to NW Wright Boulevard, Martin County, FL. *FDOT District 4.* QA/QC Manager. JMT provided roadway, signing and pavement marking, and signalization design for restriping the Roosevelt Bridge over the St. Lucie River on SR 5. In addition to providing buffered bicycle lanes, improvements also included upgrades to sidewalks and ADA ramps and replacement of TMS sites.

SR-9336 / Southwest 344th Street/Palm Drive from SW 192nd Avenue to West of SR-5/US-1, Miami-Dade County, FL. *FDOT District 6.* QA/QC. Within the project limits, SR 9336/SW 344 Street is a 1.8-mile arterial corridor, which begins as a two-lane, two-way roadway that

transitions to an urban, divided four-lane section within the City of Florida City and provides access to US-1 and the nearby Florida's Turnpike, Florida City Hall, the South Dade Transitway Corridor, the well-known Robert-is-Here fruit stand and other farmer's markets, and the Everglades National Park. The scope of this 3R project with safety improvements includes milling and resurfacing the travelway, addition of paved shoulders in the rural segment between SW 192nd Avenue and NW/SW 6th Avenue, installation of a 12'-wide shared-use path from SW 188th Avenue to NW/SW 6th Avenue which continues to a widened 10'-wide sidewalk along the urban segment from SW/NW 6th Avenue to SR 5/US 1, on-street parking, and upgrades to sidewalks/ADA ramps, bus stops, signing and pavement markings, signalization, lighting, and landscaping. The project involved extensive coordination with the City and Miami-Dade County for off-system agreements to construct the shared-use path and to install geometric and safety upgrades at the intersection of SW/NW 6th Avenue, and to provide special elephant markings at the busway.

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

City of Tampa Design – Continuing, Tampa, FL. *FDOT District 7.* Project Manager. JMT was selected to provide design services for the City of Tampa on this Continuing Services contract through FDOT District 7. Individual work orders will identify the design of miscellaneous improvements including, but not limited to, complete streets, streetscape/urban design, shared-use paths and sidewalks, protected bicycle



lanes, roadway-based transit, safety (Vision Zero), RRR, minor drainage, and intersection operational improvements. The first task is a Basis of Design report for Tampa Palms Boulevard (Ebensburg Drive to Bruce B. Downs Boulevard). This project provides for corridor-wide maintenance, operational, multi-modal, safety and traffic calming improvements on Tampa Palms Boulevard between Ebensburg Drive and Bruce B. Downs Blvd. The project includes operational and safety improvements to the two intersections of Compton Drive with Tampa Palms Blvd, and roadway improvements for the remaining 4-mile loop to accommodate bicycle and pedestrian facilities, including traffic calming, reduced posted speeds, enhanced crosswalks, sidewalks, and pavement resurfacing. This includes survey, geotechnical investigation, pavement analysis, arborist work, and traffic data collection and analysis.

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

Miscellaneous Professional Engineering for Bicycle and Pedestrians. *Hillsborough County, FL.* Project/Contract Manager. JMT was selected to provide Hillsborough County with bicycle and pedestrian-related support, including the design of multi-use trails, sidewalks, and bicycle lanes, as well as safety improvements identified through the Safe Routes to School program. These improvements include shoulder widening and the installation of sidewalks near schools.

Transportation - Professional Engineering Services. *Pinellas County, FL.* Project Manager. JMT was selected as a consultant for Pinellas County's Transportation Engineering Services contract, which spans five years. East Lake Road from South of Curlew Road to North of Trinity Boulevard - JMT is providing analysis of feasible alternatives for improving capacity, traffic flow, and safety along the corridor. Deliverables included an existing conditions assessment report, a traffic evaluation report, a preliminary corridor analysis and alternatives, a development study report, a final corridor analysis, an alternatives development study report, and a public involvement summary.

Continuing Engineering Professional Services – Federal Funds. *Pinellas County, FL.* Project Manager. JMT was selected as a consultant for Pinellas County's Continuing Engineering Professional Services contract, which spans five years. Recent tasks include the 119th Street Sidewalks project and 134th Avenue North from Pine Street to Trotter Road Sidewalks project. Both projects consist of sidewalk improvements that include designing ADA-compliant sidewalks, curb ramps, and driveways within Pinellas County, Florida.

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

US 41/SR 45/Nebraska Avenue Median Modifications. *FDOT District 7.* Project Manager. This is a Federally Funded project. The purpose of this project is to provide urban corridor improvements to increase safety for all road users regardless of method of transportation. These include mid-block crossings at various locations, PHB's and RRFB's, refuge islands, lighting, sidewalks, intersection improvements, curb ramp upgrades, drainage improvements, and raised medians and curb bulb-outs. The mainline roadway is an urban minor arterial from MP 0.0 to 3.165 and an urban principal arterial from MP 3.165 to 5.409 on the SHS. The improvements start at Kennedy Boulevard extending north to just short of East Arctic Avenue.

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

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





Johan Aranda, PE

TRAFFIC CALMING PED DESIGN ROADWAY DESIGN | MOT

EDUCATION

BS/Civil Engineering, University of Central Florida, 2004 **REGISTRATION** Professional Engineer: FL 69800 (Issued:6/26/2009) **CERTIFICATION** FDOT Advanced Temporary Traffic Control (TTCP/MOT) **YEARS OF EXPERIENCE** 20 Mr. Aranda is a highway engineering professional with 20 years of experience. He has worked on transportation projects for Florida DOT, Florida's Turnpike, Broward County, Miami-Dade County, and various municipalities. His experience in transportation infrastructure projects includes rural/urban arterials and limited-access facilities. He is proficient in numerous delivery methods, including design bid-build and design-build. He has specialized in the design and implementation of roadway, drainage, signing and pavement markings, and signalization design concepts. His responsibilities include implementing/overseeing design concepts in accordance with design criteria, developing design reports, specifications packages and project management.

FDOT District 4 Continuing Service for Project Design, *FDOT District 4*. Project Engineer. This contract is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Tasks include five roadway improvement projects in Martin County, as well as resurfacing and bridge rehabilitation projects.

SR 811/NE 4th Avenue (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL. *FDOT District 4.* Project Engineer. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project along SR 811 within the Cities of Fort Lauderdale and Wilton Manors. The scope involved reducing the roadway from a 5-lane typical section to a 3-lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition and irrigation improvements, and a Level 2 TTCP scheme that requires constant coordination with the municipalities, local businesses, and the nearby Fort Lauderdale High School. Project was awarded **2020 FTBA Best in Construction for MOT** and **2020 FHWA National Roadway Safety Award**.

SR 9336 / SW 344th Street/Palm Drive from SW 192nd Avenue to W of SR 5/US-1, Miami-Dade County, FL. *FDOT District 6.* Senior Engineer. Within the project limits, SR 9336/SW 344

Street is a 1.8-mile arterial corridor, which begins as a two-lane, two-way roadway that transitions to an urban, divided four-lane section within the City of Florida City and provides access to US-1 and the nearby Florida's Turnpike, Florida City Hall, the South Dade Transitway Corridor, the well-known Robert-is-Here fruit stand and other farmer's markets, and the Everglades National Park. The scope of this 3R project with safety improvements includes milling and resurfacing the travelway, addition of paved shoulders in the rural segment between SW 192nd Avenue and NW/SW 6th Avenue, installation of a 12'-wide shared-use path from SW 188th Avenue to NW/SW 6th Avenue which continues to a widened 10'-wide sidewalk along the urban segment from SW/NW 6th Avenue to SR 5/US 1, on-street parking, and upgrades to sidewalks/ADA ramps, bus stops, signing and pavement markings, signalization, lighting, and landscaping. The project involved extensive coordination with the City and Miami-Dade County for off-system agreements to construct the shared-use path and to install geometric and safety upgrades at the intersection of SW/NW 6th Avenue, and to provide special elephant markings at the busway.

SR 80/Southern Boulevard Ramps and SR 7/US 441, Palm Beach County, FL. *FDOT District 4.* Project Engineer. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR 7/US 441 and the SR 80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the EB and WB SR 80 ramps and dual right turns on NB and SB SR 7. Project includes milling and resurfacing, pavement widening, bridge widening of the C-51 bridges, signalization, lighting, and drainage improvements. In addition to project coordination among subconsultants, responsibilities include leading design and production effort associated with roadway (including 3D modeling) and traffic control design. Also responsible for preparation of various deliverables, including typical section package, design report, variations/exceptions, and pavement design package.

Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US-441 (Off-System), *Broward County, FL. Protean Design Group, Inc. for FDOT District 4.* Project Engineer. This project involves reconstruction of Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 to accommodate 11 lanes, 5-ft bike lanes in each direction, and sidewalk on the south side. Loxahatchee Road is an existing 2-lane rural sections that is 6.2 miles long. Project challenges include accommodating three (3) round-a-bouts within limited right-of-way, maintaining traffic during construction, and coordination between the various stakeholders (FDOT, City of Parkland, Broward County, adjacent construction projects). Wetlands were delineated on Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US-441. Roadway Designer responsible for the development of Level 2 TCP Plans including typical sections, detours, and traffic control plans.



Responsibilities include leading the design and production effort associated with a Level 2, phased-construction traffic control design, including phasing notes, typical sections, detour routes, and TCP plans.

Shared-Use Path along Clint Moore Road from Congress Avenue to Northwest 2nd Avenue, Palm Beach County, FL. *FDOT District 4:* This project included the construction of a new shared-use path along the south side of Clint Moore Road in Palm Beach County. Project Manager and Engineer of Record responsible for procurement of typical section package, roadway, S&PM, and signalization components for this off-system arterial. Scope consisted of shared-use path horizontal/vertical alignment, Level 1 TCP plan including pedestrian detour/accommodations, pedestrian signalization upgrades at Park of Commerce intersection, and coordination with adjacent I-95 Express Lanes Design-Build Project.

SR-A1A at Mercedes River Cathodic Protection, Broward County, FL. *FDOT District 4:* This project included cathodic protection and pile jacket retrofits to the SR-A1A bridge over Mercedes River in Broward County. Engineer of Record responsible for developing Level 2 traffic control plans, including typical sections, lane closure details, pedestrian/bicycle TCP, and provisions for maintaining business/residential access during construction.

SR 809/Military Trail from SR 802/Lake Worth Road to South of SR 80/Southern Boulevard, Palm Beach County, FL, *FDOT District 4.* Deputy Project Manager for this four-mile urban resurfacing project along a high-volume segment of Military Trail in unincorporated Palm Beach County. Key project issues included milling, resurfacing, pavement widening, striping, signalization upgrades, and general safety improvements, including ADA improvements. Responsibilities included development of roadway and S&PM components pavement design, design exceptions/variations and oversight of project budget and schedule.

Miramar Park & Ride, Broward County, FL. *FDOT District 4*. Project Engineer for this new park and ride facility. Scope of work included new construction of drainage, signalization, lighting, utility, and landscape improvements. Responsible for lighting and fire main utility plans.

SR-838/Sunrise Boulevard from I-95 to SR-5/US-1, Broward County, FL. *FDOT District 4*. Highway Engineer. JMT was selected by FDOT District 4 to perform milling and resurfacing for the existing pavement on Sunrise Boulevard in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. The improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection of Northwest 13th Avenue; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks).

SR 68/Orange Avenue from SR 713/Kings Highway to East of I-95 SB Ramp, St. Lucie County, FL. *FDOT District 4.* Project Manager. This \$7.2M construction project consisted of interchange improvements along SR 68/Orange Avenue from SR 713/Kings Highway to east of I-95 SB ramp in St. Lucie County. The improvements consisted of providing dual WB SR 68 right turn lanes at the approach to the Kings Highway intersection, and the reconstruction of the EB SR 68/Orange Avenue to SB I-95 on ramp. The scope of work includes milling and resurfacing, pavement widening, ADA upgrades, drainage modifications, signalization upgrades consisting of new mast arms and pedestrian signalization features, and lighting upgrades. As prime consultant, JMT provided the following scope of services: 1) horizontal/vertical alignment design; 2) curb ramp design; 3) pavement design; 4) drainage system design including inlet spacing and pipe sizing; 5) bike lanes; 6) Level 2 traffic control plan design including typical sections, plans, and details/detours; 7) utility coordination; 8) S&PM design; 9) mast arm and pedestrian signalization design; 10) lighting design including photometrics; 11) public involvement; 12) survey & subsurface utility exploration.

SR-7/SR-9 Golden Glades Interchange Park and Ride (West Lot), Miami-Dade County, *FDOT District 6.* Project Engineer. This project was issued under a Districtwide Miscellaneous Professional Engineering Design Consultant Contract with District 6, which included upgrades/rehabilitation to the Golden Glades Interchange (GGI) Park and Ride West Lot, which was being utilized by Miami Dade Transit, Broward County Transit, Greyhound Bus services, Florida Highway Patrol, van pool, paratransit and cab services. Proposed improvements included resurfacing and restriping of internal parking areas and access roads, provision of concrete pavement at bus bays, installation of a new BCT shelter, repairs to the existing Miami Dade Transit shelter, installation of color-coded wayfinding signage, replacement of high mast luminaires, and installation of new sidewalks/ADA features and curb ramps.

SR-924/NW 119th Street/Gratigny Road at NW 27th, NW 22nd, NW 10th, and NW 7th Avenues, Miami-Dade County, FL. *FDOT District* 6. Project Engineer These projects proposed safety improvements at four intersections along this urban principal arterial, including extending and offsetting turn lanes, closing median openings, providing new signage/pavement markings, traffic signal modifications, and pavement widening/resurfacing.

SR-A1A/Collins Avenue from SR-826/NE 163rd Street EB to SR-A1A SB Off-Ramp, Miami- Dade County, FL. *FDOT District 6.* Project Engineer. Design of a sidewalk network through this high-pedestrian area in Sunny Isles Beach, including ramp pavement resurfacing to provide new markings, installation of new crosswalks/pedestrian signals, hardscape improvements, and installation of a retaining wall at back of sidewalk near an existing drainage detention area.





Ryan Bogan, PE SIGNAL & FIBER OPTIC DESIGN

EDUCATION BSE, Civil Engineering, Auburn University, 2010 REGISTRATION Professional Engineer: FL 82217, GA 045068 CERTIFICAITONS Imsa Traffic Signal Tech Level 1 YEARS OF EXPERIENCE 13 Mr. Bogan's experience is focused on major traffic design including traffic signal design, light modeling and design, ITS design and traffic analysis, as well as access management, and FDOT permit reviews. He has served as Deputy PM for the FDOT D2 Districtwide Safety and Lighting Design Contract. He has provided multiple years of on-site support for the FDOT D7 Access Management department and Traffic Ops. He has designed traffic signal, ITS and lighting projects for FDOT D2, D3, D4, D5, D6 and D7. His skill set also includes preparing comprehensive construction drawing packages for lighting plans, signalization plans, ITS device plans and networks, traffic incident management, advanced traffic management systems, communications plans, safety studies, traffic analysis, roundabout feasibility analysis, tunnel management systems and access management studies, ITS master plans, ITS standards and specifications, concept of operations, and construction cost estimates.

SR 838/Sunrise Boulevard from I-95 to SR 5/US 1, Broward County, FL. *FDOT District 4*. Senior Traffic Engineer. JMT was selected by FDOT District 4 to perform milling and resurfacing for the existing pavement on Sunrise Boulevard in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. The improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection of NW 13 Avenue; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks).

SR-9336/Southwest 344th Street/Palm Drive from SW 192nd Avenue to West of SR-5/US-1, Miami-Dade County, FL. *FDOT District 6.* Senior Traffic Engineer. Within the project limits, SR 9336/SW 344 Street is a 1.8-mile arterial corridor, which begins as a two-lane, twoway roadway that transitions to an urban, divided four-lane section within the City of Florida City and provides access to US-1 and the nearby Florida's Turnpike, Florida City Hall, the South Dade Transitway Corridor, the well-known Robert-is-Here fruit stand and other farmer's markets, and the Everglades National Park. The scope of this 3R project with safety

improvements includes milling and resurfacing the travelway, addition of paved shoulders in the rural segment between SW 192nd Avenue and NW/SW 6th Avenue, installation of a 12'-wide shared-use path from SW 188th Avenue to NW/SW 6th Avenue which continues to a widened 10'-wide sidewalk along the urban segment from SW/NW 6th Avenue to SR 5/US 1, on-street parking, and upgrades to sidewalks/ADA ramps, bus stops, signing and pavement markings, signalization, lighting, and landscaping. The project involved extensive coordination with the City and Miami-Dade County for off-system agreements to construct the shared-use path and to install geometric and safety upgrades at the intersection of SW/NW 6th Avenue, and to provide special elephant markings at the busway.

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

US 1 at Cidco Road Intersection Improvements, Brevard County, FL. *FDOT District 5.* Senior Traffic Engineer. This project involved creating a signalized intersection at the currently unsignalized intersection of SR 5 (US 1) and Cidco Road in Brevard County, FL. Four (4) mast arms were added to the intersection, as well as intersection lighting, new pedestrian features, and upgraded signing and pavement markings. JMT was the EOR for the signal, lighting and signing and marking plans.

Districtwide Safety Studies and Minor Design, Throughout FDOT District 7, FL. *FDOT District 7.* Senior Traffic Engineer. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent design tasks include SR 579 (Dr MLK Jr Boulevard) at N 26th Street Signal Design, US 92/Hillsborough Avenue PHB installation, US 19 Pedestrian Signals, US 92/Hillsborough Avenue Lighting Design, SR 573/S Dale Mabry Highway Lighting Design, N 21st Street/N 22nd Street Wrong Way Driving Plans, Enhanced Curve Signing and Marking Design Plans, Arterial Wrong Way Driving Signing and Pavement Marking Plans, US 19 Midblock Crosswalks, and the Signalized Missing Crosswalk Initiative.

Misc. Professional Services for Transportation Development & Design Engineering Services, Hillsborough County, FL. *Hillsborough County, FL.* Senior Traffic Engineer. JMT has been under similar contracts with Hillsborough County continuously for nearly 20 years. Task work orders are issued from various sections within the Hillsborough County Public Works Department. These projects have included intersection safety reviews and operational improvements, roadway resurfacing and ADA improvements, a roundabout,



complete streets projects, traffic operations design, drainage improvements, school safety improvements, construction inspection, and master planning for sidewalk and intersection improvement programs, and shared use paths.

SR 50 Bypass from Buck Hope Road to Jefferson Street, Hernando County, FL. *FDOT District 7.* Senior Traffic Engineer. JMT designed a new full corridor lighting system for the roadway that included standalone fixtures and joint-use fixtures that are to be installed by the power company. Enhanced FDM lighting criteria was used at each signalized intersection for added pedestrian safety. JMT also designed full signal reconstruction at four existing signalized intersections to replace the existing supports and to enhance ADA. All four of the signals will be box-span structures across a six-lane divided roadway. A fifth signal received modifications to accommodate new lanes from the SR 50 approach. JMT also designed a new corridor ITS system to provide connectivity between the signals back to the existing backbone at the east end of the project. CCTV surveillance cameras were installed at the signals to provide full corridor coverage, and a 144 SMFO trunk line was added.

Continuing Services for Project Design, Broward County, FL. *FDOT District 4.* Senior Traffic Engineer. JMT was awarded this is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures.

Transportation - Professional Engineering Services, Throughout Pinellas County, FL. *Pinellas County,FL.* Senior Traffic Engineer. JMT was selected as a consultant for Pinellas County's Transportation Engineering Services contract, which spans five years. East Lake Road from South of Curlew Road to North of Trinity Boulevard - JMT is providing analysis of feasible alternatives for improving capacity, traffic flow, and safety along the corridor. Deliverables to Pinellas County include an existing conditions assessment report, traffic evaluation report, preliminary corridor analysis and alternatives, development study report, final corridor analysis and alternatives development study report, and a public involvement summary.

Continuing Engineering Professional Services – Federal Funds, Throughout Pinellas County, FL. *Pinellas County, FL*. Traffic QC Reviewer. JMT was selected as a consultant for Pinellas County's Continuing Engineering Professional Services contract, which spans five years. Recent tasks include the 119th Street Sidewalks project and 134th Avenue North from Pine Street to Trotter Road Sidewalks project. Both projects consist of sidewalk improvements that include designing ADA-compliant sidewalks, curb ramps, and driveways within Pinellas County, FL.

US 41/SR 45/Nebraska Avenue Median Improvements, Tampa, FL. *FDOT District 7.* Senior Traffic Engineer. The purpose of this federally funded project is to provide urban corridor improvements to increase safety for all road users regardless of method of transportation. These include mid-block crossings at various locations, PHB's and RRFB's, refuge islands, lighting, sidewalks, intersection improvements, curb ramp upgrades, drainage improvements, and raised medians and curb bulb-outs. The mainline roadway is an urban minor arterial from MP 0.0 to 3.165 and an urban principal arterial from MP 3.165 to 5.409 on the SHS. The improvements start at Kennedy Boulevard extending north to just short of East Arctic Avenue.

Professional Engineering Services for Traffic and Road Safety, Throughout Hillsborough County, FL. *Hillsborough County, FL.* Senior Traffic Engineer. JMT was selected to provide studies and design for traffic safety and operations for roads and streets under this contract for Hillsborough County. Recent tasks performed throughout the County include Signal Warrant Studies, Network Safety Studies, Pedestrian Crossing Studies, Pedestrian Crosswalk Signal Designs, Temporarygerum Traffic Control Plans, Lighting Studies. Relevant and recent tasks include:

- Power Outage Emergency Beacons (POEBs) JMT produced design plans for the installation of solar powered POEBs at 133
 existing signalized intersections to provide traffic control during prolonged power outages. JMT also assisted with preparation of
 specifications and special details for the POEBs.
- Dolby Elementary JMT completed the design of crosswalks controlled with RRFBs for Dolby Elementary School. JMT provided signing and pavement marking, roadway, and TTCP design, and utility coordination.
- Harvest Hope Raised Crosswalks JMT completed the study and design of three raised midblock crosswalks with RRFBs to
 facilitate safe access to Harvest Hope Park in Tampa, Florida. JMT provided signing and pavement marking, roadway, and drainage
 design, survey, and utility coordination.

US 98/SR 50/SR 700 from Mondon Hill Road to S of Jasmine Drive, Tampa FL. *FDOT District 7.* Senior Traffic Engineer. This is a RRR project that includes milling and resurfacing of the four-mile-long corridor. The project also includes widening into the median, redesigning left turn movements, and redesigning median openings to meet FDM standards. Two pavement designs will be completed, one for milling and resurfacing and another for the widening. The project will also address flooding complaints within the corridor. Signing and pavement markings will be updated after milling and resurfacing. A lighting justification report will be performed.





Anthony Chaumont, PE, RSP1

TRAFFIC STUDIES & PLANNING

EDUCATION

BS, Civil Engineering University of South Florida, 2004 **REGISTRATIONS**

Professional Engineer: FL 72473 Road Safety Professional – Level 1: 404

CERTIFICATION

FDOT Intermediate Temporary Traffic Control (TTC/MOT) YEARS OF EXPERIENCE 19 Mr. Chaumont has over 19 years of experience in traffic operations and traffic safety engineering. He worked for the FDOT for two years as a Studies Specialist, fielding citizen requests and conducting traffic signal-related studies. He served as a Project Engineer on a variety of projects for FDOT Districts 1 and 7, local county and city engineering, and police agencies. He has served as a Project Engineer and Project Manager on a variety of traffic engineering projects for FDOT Districts 1 and 7 and local county and city engineering and police agencies. His specialty is in traffic safety, and he has led safety efforts throughout the state.

Districtwide Safety Studies and Minor Design, Tampa, FL. *FDOT District 7.* Project Manager. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent tasks include engineering support services, severe crash location reviews, road safety audits and safety assessment reports, Pasco Countywide Bicycle Safety Action Plan, corridor lighting prioritization safety reviews and studies, pedestrian/bicycle engineering safety initiative, mid-block crossing studies, and analyses for additional crossings at signalized intersections. Design tasks include Dale Mabry Highway Lighting, Signal installation at SR 574 (MLK) at 26th Street, Hillsborough Avenue HAWK installation, and US 19 Pedestrian Improvements.

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

US 98/SR 50/SR 700 from Mondon Hill Road to S of Jasmine Drive, Tampa FL. *FDOT District 7.* Senior Traffic Engineer. This is a RRR project that includes milling and resurfacing of the fourmile-long corridor. The project also includes widening into the median, redesigning left turn movements, and redesigning median openings to meet FDM standards. Two pavement designs will be completed, one for milling and resurfacing and another for the widening. The project will also address flooding complaints within the corridor. Signing and pavement markings will be updated after milling and resurfacing. A lighting justification report will be performed.

Professional Engineering Services for Traffic and Road Safety, Tampa, FL. *Hillsborough County.* Project Manager. JMT was selected to provide studies and design for traffic safety and operations for roads and streets under this contract for Hillsborough County. Recent tasks performed throughout the County include signal warrant studies, network safety studies, pedestrian crossing studies, pedestrian crosswalk signal designs, temporary traffic control plans, and lighting studies.

Continuing Services Contract. *FDOT District 5.* Senior Safety Engineer for this ongoing Continuing Services Contract with FDOT District 5. Duties include task lead management, management and coordination of sub-consultants, roadway design, and plan preparation.

Districtwide Community Traffic Safety Team (CTST) Contract, FL. *FDOT District 7.* Task Manager. This five-year contract consisted of providing design support to the Department and local agencies throughout District 7 for on-system and off-system safety improvement projects, including corridor and intersection projects. He was responsible for providing constructability and feasibility analyses, developing innovative safety solutions, and performing studies and analyses.

Bicycle/Pedestrian Access to Transit, FL. *FDOT District 7.* Project Engineer. Identified highridership locations with bicycle and pedestrian safety and/or mobility issues. Conducted field reviews and other engineering studies to pinpoint and evaluate potential improvements. This DW contract also considered access to transit on controlled-access highways and innovative treatments such as "bus islands" and bus queue-jump lanes.

Work Zone Assessments, FL. FDOT District 7. Project Engineer. Studied two work zones from each county in District 7 chosen by District 7 Traffic Operations; closely examined through



prompt lists and meetings with contractors and project managers. Follow-up presentations were given to FDOT staff.

Mobile Road Safety Audits (RSA) Pilot Project, FL. *FDOT District 7.* Project Engineer. Integrated RSA evaluation process of locations during the construction phase for potential safety enhancements/improvements within the projects. Developed a methodology for collecting field review notes electronically with mobile devices, allowing for more accurate data collection, standardized reporting, digital collaboration, and efficient turnaround.

Traffic Operations Resurfacing Project Safety Studies, FL. *FDOT District 7.* Project Engineer. This study consisted of conducting a desktop review of ten upcoming District Seven resurfacing projects. The studies evaluated historical crash data to opportunistically identify safety improvements that would be included in the 3R projects to mitigate the crash history. In addition to the short-term improvements, the reviews identified long-term follow-up studies for crash-based recommendations that could not be included in 3R scope. Responsibilities included coordinating staff and the development of study memos.

Complete Streets RSAs, FL. *FDOT District 7.* Project Engineer. This study consisted of coordinating and conducting RSAs at seven high crash locations along District Seven roadways. The RSAs included the development of short-term, mid-term, and long-term recommendations based on stakeholder coordination, historical crash data reviews, and team field observations while focusing on bicycle and pedestrian safety. Additionally, aspirational context-based target speeds were identified for each corridor. The reports included proposed speed management techniques, and responsibilities included coordinating staff, leading stakeholder coordination and discussion, leading the field reviews, and developing study memos.

SR 686 (Roosevelt Boulevard) RSA from 62nd Street N to 58th Street N, Tampa, FL. *FDOT District 7.* Project Engineer. Led a multidisciplinary RSA team to conduct a safety review along a high crash corridor. Developed short-term, midterm, and long-term recommendations, including a Restricted Crossing U-Turn (RCUT), which reduced delay and provided additional protected crossings for pedestrians at the signalized U-turn location.

Traffic Engineering Manual 3.8 - **Mid-block Crossing Location Review, Tampa, FL.** *FDOT District 7.* Project Engineer. Studied over 12 locations to determine if a mid-block crosswalk was compatible with current guidelines and, if recommended, specified the location and developed a concept design.

SR 688 (Ulmerton Road) Arrive Alive RSA from 38th Street N to 49th Street N, Tampa, FL. *FDOT District 7.* Project Engineer. Coordinated the first Arrive Alive RSA with Florida Highway Patrol stakeholders as part of the State's initiative to identify major safety challenges. Targeted education and enforcement efforts to reduce fatalities and serious injuries. Evaluated traffic control plans and developed recommendations based on historical crash data and field observations. Recommendations included raised islands to channel a dedicated right turn lane.

Districtwide Safety Studies and Concepts Contract, FL. *FDOT District 2.* Task Manager. This contract involved managing the off-system Highway Safety Improvement Program and Safe Routes to School Program for the District Two Safety Office. Safety studies, constructability and feasibility analysis, preparation of concepts, and evaluation of potential projects were covered under this task. Also included was significant coordination with local agencies across District Two to support potential safety project applications. Prime consultant responsibilities involved contract management and successfully completing all tasks assigned under the contract. This supported the Department's goal of reducing severe injury and fatal crashes across the District.

Safety Analysis Reviews, FL. *FDOT District 2.* Project Engineer. This study consisted of conducting safety analysis reviews (SAR) at four segments, one interstate segment located in District 2. The studies included the development of recommendations for inclusion in the resurfacing project scoping package. These were based on the evaluation of historical crash data, which considered pedestrian and bicycle features, signal phasing, and access management modifications to medians. Further responsibilities included coordinating staff and developing study memos.

Safety Studies/ RSA, SE FL. *FDOT District 4.* Project Engineer. Conducted safety studies and road safety audits in Broward, Palm Beach, Martin, St. Lucie, and Indian River counties to recommend short-, mid-, and long-term countermeasures and follow-up studies. The preliminary focus was on pedestrian and bicycle safety issues, including several "hot-spot" locations identified by the FDOT Central Office. Recommendations included signing, marking, and signalization modifications; upgraded roadside features above and beyond FDOT standards; mid-block crossings and pedestrian signals at locations; relocation of transit stops; deployment of innovative improvements from the State's Innovative Products List (IPL); advanced transportation management system (ATMS) upgrades; and safety improvement additions to 3R and Work Program projects.

SR 15/US 441/US 98 (Belle Glades Roads) RSA from Shirley Drive to MLK, Fort Lauderdale, FL. *FDOT District 4.* Project Engineer. Evaluated pedestrian crash location and led RSA team along US highway in Pahokee. Recommendations included painted refuge island delineation at intersection approaches, improvements to bus stop amenities, and proposing a pedestrian boardwalk beyond the existing guardrail.





Steven Collins, PhD, PE

Drainage Design & Permitting

EDUCATION

PhD, Biology, Texas Tech University, 2014 MS, Agricultural and Biological Engineering, University of Florida, 2005 BS, Biological Systems Engineering, Virginia Tech, 2003 **REGISTRATION**

Professional Engineer: FL 80872, AL 40260-E, CO 57601; MD 37647, SC 33335, TX 133062

CERTIFICATIONS

BMPTrains, UCF Rosgen Training Levels I-IV Living Shorelines for Marine Contractors Ecological and Geomorphic Principles in Stream Restoration, UMD YEARS OF EXPERIENCE 19 Dr. Collins is a water resource engineer with 19 years of experience specializing in river, floodplain, and wetland restoration. His experience also includes hydrologic/ hydraulic and water quality modeling, stormwater management BMP designs, watershed assessments and planning, climate resiliency, TMDL/MS4 compliance, landscape design, construction inspection, cost estimating, water quality analyses, and permitting. He has published an empirical model demonstrating the need for increasing hydraulic residence time in Florida ditches as a P-retention BMP, and water retention as a BMP is now established through the Payment for Environmental Services program in Florida. He has experience using ArcGIS, HEC-RAS, HEC-HMS, HSPF, Stormwise (ICPR v4), EPA-SWMM, PCSWMM, XPSWMM, TR-20, TR-55, HY-8, AutoCAD Civil 3D, and MicroStation.

Orange Boulevard, Seminole County, FL. *Seminole County, FL.* Drainage Engineer. Dr. Collins is the drainage engineer of record for three miles of new sidewalk and roadway safety improvements along Orange Boulevard (CR 431) from SR 46 to Monroe Rd. The design alleviates local flooding issues, some of which were identified by Dr. Collins when he modeled the entire existing drainage network in ICPR. The proposed design contains eight stormwater facilities, and the proposed ICPR model demonstrates that the proposed closed drainage system improves conveyance and meets County, FDOT, and SJRWMD criteria for discharges and flood elevations. The proposed stormwater network was also modeled in Geopak Drainage. Dr. Collins developed an HEC-RAS model to demonstrate that bridge widening over the Lockhart-Smith Canal has negligible impact on the mapped floodplain and scour.

Partin Settlement Road, FL. *Osceola County, FL.* Drainage Engineer. JMT was selected to provide design services to Osceola County, for the Partin Settlement Road project in Kissimmee. The project consists of an alternative evaluation (Part A of this scope has been completed) followed by the development of design plans for construction (Part B) of Partin Settlement Road, from Neptune Road to Lakeshore Boulevard. The total project length is approximately 2.7 miles. Dr. Collins performed the H&H analysis and bridge hydraulic report (BHR) for improvements associated with Partin Settlement Road. He utilized ICPR4 and HEC-RAS to perform the analyses.

Oxbow Restoration of Ten Mile Creek at George LeStrange Preserve, St. Lucie County, FL. St. Lucie County. Project Manager. Dr. Collins is the engineer-of-record for a design that will restore hydraulic connectivity to oxbow wetlands that have been disconnected due to historic base-level alterations to Ten Mile Creek. The project will enhance wetlands, increase hydraulic residence time, and improve wetland habitat. The design also includes a reinforced earth wall bank stabilization on Ten Mile Creek to reduce erosion and associated nutrient inputs. Because the project is within a public park, care was taken to limit impacts to native vegetation and to maintain or improve recreational access. Both 1D and 2D HEC-RAS models were developed to demonstrate no adverse impacts to floodplains and floodways and to help demonstrate the project's benefit. Dr. Collins managed the design, geotechnical, topographic, environmental, and cultural surveys, and permitting.

Fripp Island Property Owners Association Stormwater Drainage Master Plan, Fripp Island,

SC. *Fripp Island Property Owners Association.* Drainage Engineer. JMT worked with Fripp Island to provide an island-wide study and report detailing the current and future state of flooding on Fripp Island, including providing the current and future level of service for all roads and drainage structures. The existing model, developed in Stormwise (formerly ICPR v4), was calibrated to known flooding from Hurricane Idalia, which caused considerable flooding on August 30, 2023. The study and report also identified a suite of project alternatives that will help alleviate flooding throughout the island. The model and report function as a stormwater master plan that can be used as an overall guidance tool for drainage and flood control improvements throughout the island for the next 20 years.

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

Hattaway Drive Flood Remediation Design. *Seminole County, FL*. Dr. Collins led a drainage study, and designed and permitted drainage improvements to remedy deficiencies and flooding along Hattaway Drive in Altamonte Springs, FL. JMT collected information on the existing drainage infrastructure, analyzed the 34-acre watershed in ICPR v4, and performed spread and inlet capacity calculations. JMT



designed drainage improvements to increase storm drain and outlet capacity, and the existing baffle box was replaced with an improved and adequately-sized baffle box to improve water quality. After construction, there have been no flooding complaints.

Chuluota Road-Roadway Conceptual Analysis, FL. *Orange County, FL.* Senior Drainage Engineer. Chuluota Road is an existing two-lane urban minor arterial roadway extending through a suburban area of growth in Orange County and continues north into a sparsely developed area of Seminole County. JMT is providing a high level of community outreach, pedestrian and bike facilities on both sides of the road, evaluation of pedestrian safety and comfort improvements near schools, preservation of the existing buffer, incorporation of relevant traffic studies and analyses, including innovative intersection concepts, evaluation of drainage issues, evaluation for wildlife and protected species, and review of major utilities.

Cape Haze Ecosystem Restoration, Charlotte County, FL. *SWFWMD.* Project Manager. Dr. Collins is the lead designer restoring a 680acre property, historically impacted by canals, which are now being restored into functional freshwater and estuarine waters. The project will provide snook and tarpon nurseries, create 25 acres of freshwater marsh, and restore 17 acres of canals to pine flatwoods. The restoration will also provide water quality improvements to Coral Creek. JMT developed 1D and 2D models to ensure the objectives and criteria for wetland restoration and fish nursery habitat were met. The design will also remove invasive species including melaleuca, and special care has been taken to avoid gopher tortoise impacts. JMT is also managing or performing topographic and hydrographic surveys, archaeological survey, wetland and environmental assessments, and permitting with FDEP, USACE, USFWS, SWFWMD, Charlotte County Aviation Authority, and Charlotte County.

Satellite Beach Aquatic Habitat Restoration, Satellite Beach, FL. FWC. Engineer. Problems in the marine habitats adjacent to Samsons Island include loss of manatee grazing habitat/submerged aquatic vegetation and decreased water quality. This project will enhance submerged habitats and create productive habitat features or a mosaic of functional habitats. Dr. Collins provided QC review of breakwater designs to promote settling and seagrass planting plans and specifications.

Point Farm Mitigation Bank Assistance, SC. *American Timberlands Company, LLC.* Project Engineer. Dr. Collins is the engineer of record for this project, which includes the development of salt marsh restoration, enhancement, and preservation credits for the Point Farm Mitigation Bank. The project restores salt marsh habitat through dam and berm removal and site grading that avoids impacting heritage trees. A 2D tidal circulation model was developed to demonstrate the hydraulic improvements to the site. Both high marsh and low marsh plantings are being added. A SWPPP was developed, and plans were submitted for County approval.

Lake Jesup Nutrient Reduction and Flow Enhancement, Seminole County, FL. *SJRWMD*. Project Manager. The project will add a channel connection between the 16,000-acre Lake Jesup and the St. Johns River. This channel, constructed through historic fill, will enhance hydrologic exchange, improve water quality, and restore floodplain habitat. Additionally, a recirculating wetland treatment system design is intended to capture and treat nutrient-laden water pumped from Lake Jesup. Dr. Collins is managing all design components, including dredging and material placement, treatment wetland, pump system, and structural design, permitting with FAA, FDOT, USFWS, USACE, FDEP, SJRWMD, and Seminole County, topographic and hydrographic survey, archaeological survey, mitigation plan, and wetland and environmental assessments. Dr. Collins also developed an ICPR model to route offsite runoff, pumped inflow, and flow through the treatment wetland and developed a 2D HEC-RAS model for the SR 46 Bridge Hydraulic Assessment to assess the impact of the constructed channel on scour of the bridge piers and power transmission poles.

Water Quality Improvements to Enhance Fisheries Habitat in the Lower Choctawhatchee River Basin, Phase 1, Holmes, Walton, and Washington Counties, FL. *FDEP*. Modeler and Designer. To alleviate the impact of sediment in the lower Choctawhatchee basin, Dr. Collins quantified sediment loading to the Choctawhatchee Bay and the relative amount contributed at hundreds of unpaved road stream crossings. Dr. Collins estimated sediment runoff at each crossing with RUSLE and modeled hydrology, erosion, and sediment transport with BASINS and HSPF for a 5,350-square-mile watershed. Modeling supported site prioritization and quantified sediment reduction relative to a basin-wide goal. Dr. Collins is the engineer of record for over seven miles of roadway and drainage improvements intended to reduce sediment at fifteen stream crossings. Streambank grading and stabilization design was provided at each crossing.

John Paul Landing-North Basin Cell Master Plan, Harris County, TX. *Harris County, TX, Engineering Department.* Environmental Specialist & Engineer. Dr. Collins assisted with habitat restoration and native landscaping and submerged aquatic vegetation (SAV) plantings for all phases of John Paul Landing, North Basin Cell design. Dr. Collins also provided QC review of the design of a new 75± acre stormwater quality pond within John Paul Landing (JPL) Park.

Howell Creek Assessment and Design, FL. *Seminole County, FL.* Project Engineer. Dr. Collins led an assessment of 4 miles of Howell Creek that identified the causes of geomorphic impairment and instability and quantified streambank erosion and associated nutrients. The project also included conceptual designs of multiple stabilization projects, their estimated construction cost, and expected water quality benefit. The study and concept designs will assist the County with grant applications and demonstrate how the project can help meet TMDL obligations.







Derek Doughty, PE, CFM, BC.WRE, ENV SP

DRAINAGE DESIGN & PERMITTING

EDUCATION

MS, Water Resources & Environmental Engineering, University of South Florida, 1997 BS, Applied Mathematics, Worcester Polytechnic Institute, 1985

REGISTRATION

37

Professional Engineer: FL 54010 Envision Sustainability Professional -#40534 Certified Floodplain Manager/FL, US-16-08997 **CERTIFICATIONS** Diplomate, Water Resources Engineer **YEARS OF EXPERIENCE** Mr. Doughty has more than 37 years of diversified civil engineering experience, including 30 years in hydrologic and hydraulic modeling of stormwater conveyance systems and management facilities. Mr. Doughty has extensive experience in watershed management, master planning, land engineering and planning, developments of regional impact, stormwater projects, commercial, single-family and multi-family site development engineering, and roadway design. His responsibilities include project management and serving as lead technical engineer and project engineer while involved in planning, design, and permitting services for a wide range of public and private projects. Throughout Mr. Doughty's career he has had the opportunity to utilize numerous computer modeling programs designed to perform hydrologic and hydraulic calculations for a variety of purposes. EPA SWMM, HCSWMM, XPSWMM, AdICPR, HEC-2, HEC-RAS, MODRET, TR-55, and QUAL 2E are some of the more familiar models he has utilized to prepare basin master plans, analyze and design stormwater management systems, produce No-Rise Certifications, and provide assistance with letters of map revisions and floodplain determinations.

Orange Boulevard (CR 431) Safety Improvements, *Seminole County, FL.* Seminole County, FL. Senior Drainage Engineer. JMT was selected to design three miles of new sidewalk and roadway safety improvements along Orange Boulevard (CR 431) from SR 46 to Monroe Road. The design alleviates local flooding issues. The proposed design contains eight stormwater facilities, and the proposed ICPR model demonstrates that the proposed closed drainage system improves conveyance and meets County, FDOT, and SJRWMD criteria for discharges and flood elevations. The proposed stormwater network was also modeled in Geopak Drainage.

Partin Settlement Road, FL. *Osceola County, FL.* Senior Drainage Engineer. JMT was selected to provide design services to Osceola County, for the Partin Settlement Road project in Kissimmee. This project consists of an alternative evaluation (Part A of this scope) followed by the development of design plans for construction (Part B) of Partin Settlement Road, from Neptune Road to Lakeshore Boulevard. The project consists of the construction of a four-lane divided roadway with multimodal accommodations, associated drainage improvements and stormwater ponds, modification of the signalized intersections at Neptune Road, Cross Prairie Parkway, US 192, and Lakeshore Boulevard, upgrading the intelligent transportation systems (ITS), modification/replacement of double box bridge culvert over Fish Lake Canal, street lighting, and landscaping considerations. Within the project's corridor, there is a trail bridge over the canal to Fish Lake adjacent to the double box bridge culvert, 1,950 feet west of the Partin Settlement/US 192 intersection.

Curtis Drive Drainage Improvements, Pinellas County, FL. Pinellas County. Project Manager. JMT developed a Preliminary Engineering Report (PER) that evaluated the existing drainage system within the Curtis Drive neighborhood, including the outfall pipe located east of Maple

Forest Road, to assess the cause of asphalt cracking in the neighborhood, propose design alternatives to alleviate street flooding for the 10year design storm event, and provide other stormwater management recommendations. The PER included drainage analysis for flood protection benefits to include H&H model revisions, water quality analysis, 30% project design, permitting/mitigation requirements, a constructability assessment, and construction costs for two alternative designs.

Oxbow Restoration of Ten Mile Creek at George LeStrange Preserve, St. Lucie County, FL. St. Lucie County. Project Engineer for a design that will restore the ecological and hydrologic functions of oxbow wetlands that have been disconnected due to historic base-level alterations to Ten Mile Creek. The project will enhance wetlands, increase hydraulic residence time, and improve wetland habitat within several remnant oxbows located within the preserve boundary. The design also includes a reinforced earth wall bank stabilization on Ten Mile Creek that will allow for the replanting of native vegetation to reduce erosion and associated nutrient inputs. Because the project is within a public park, care was taken to limit impacts to native vegetation and to maintain or improve recreational access. Both 1D and 2D HEC-RAS models were developed to demonstrate no adverse impacts to floodplains and floodways and to help demonstrate the project's benefit. All disturbed areas within the preserve will be planted with a variety of plant species native to both the preserve and south Florida. The project will provide improved habitat, recreation, and educational opportunities to the local community.

Fripp Island Property Owners Association Stormwater Drainage Master Plan, Fripp Island, SC. *Fripp Island Property Owners Association.* Senior Drainage Engineer. JMT worked with Fripp Island to provide an island-wide study and report detailing the current and future state of flooding on Fripp Island, including providing the current and future level of service for all roads and drainage structures. The existing model,



developed in Stormwise (formerly ICPR v4), was calibrated to known flooding from Hurricane Idalia, which caused considerable flooding on August 30, 2023. The study and report also identified a suite of project alternatives that will help alleviate flooding throughout the island. The model and report function as a stormwater masterplan that can be used as an overall guidance tool for drainage and flood control improvements throughout the island for the next 20 years.

Parkland Estates Drainage Improvements, Tampa, FL. *City of Tampa.* Project Engineer. Flooding occurs near West Fountain Boulevard and Audubon Avenue, extending up to Swann Avenue in the City of Tampa. Limited outfall capacity is the primary cause of this flooding. The objective of this project was to analyze the existing primary drainage system connected to this area and develop alternative solutions to reduce flooding. New outfall routes, both with and without storage in the park, were assessed in order to determine the most cost-effective solution. JMT reviewed the City's existing XPSWMM watershed model covering the area and updated it with collected survey data. The model was run to establish baseline conditions for the mean annual, 5- and 10-year/24-hour storm events. Three alternatives that included a new gravity outfall storm sewer system, both with and without storage, were analyzed.

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

Lake Jesup Nutrient Reduction and Flow Enhancement, Seminole County, FL. *SJRWMD*. Project Engineer. The project will add a channel connection between the 16,000-acre Lake Jesup and the St. Johns River. This channel, constructed through historic fill, will enhance hydrologic exchange, improve water quality, and restore floodplain habitat. Additionally, a recirculating wetland treatment system design is intended to capture and treat nutrient-laden water pumped from Lake Jesup. Mr. Doughty assisted with the development of an ICPR model to route offsite runoff, pumped inflow, and flow through the treatment wetland, and reviewed the 2D HEC-RAS model for the SR 46 Bridge Hydraulic Assessment to assess the impact of the constructed channel on scour of the bridge piers and power transmission poles.

Riviera Avenue and Gardenia Street Drainage Improvements, *City of Sebastian, FL.* JMT provided drainage analysis/calculations and design services to upgrade an existing drainage ditch that runs from Riviera Ave towards Chelsea Ave in the backyards of the houses lining Gardenia and Evernia Streets. Although there are no wetland impacts as a result of the proposed activities, previous communications with SJRWMD indicated an individual Environmental Resource Permit is anticipated for this project due to the surface water impacts that would result from piping the existing ditch. The project proposes to fill in the existing ditch and add ditch bottom inlets with pipes all the way to the existing 40" outfall pipe. A shallow swale is proposed to maintain positive drainage to the ditch bottom inlets and to prevent ponding in the backyards of the private properties. Proposed drainage basins were delineated to determine the total runoff to the closed system. Pipe flowlines were limited by the existing outfall pipe elevation, resulting in very flat slopes throughout the system. The proposed pipes were maximized to provide as much capacity as possible. FEMA requested additional information as part of the grant process. A ground disturbance map was created and submitted to the City of Sebastian to address the requested information.

Little Bullfrog Creek Maintenance Dredging, Hillsborough County. *Hillsborough County, FL.* Senior Drainage Engineer. Hillsborough County required permits to conduct channel maintenance in Little Bullfrog Creek, located north and south of Big Bend Road in the Summerfield community in south Hillsborough County. To meet the USACE requirements, JMT updated the existing HCSWMM5 modeling to include collected survey data and performed BMP Alternative analysis to demonstrate that the dredging of this reach of the creek was a viable stand-alone option that will measurably relieve the flooding problems within the immediate vicinity. JMT applied for and received a US Army Corps of Engineers (USACE) permit and exemptions from SWFWMD and the Environmental Protection Commission of Hillsborough County.

General Engineering Services. *SWFWMD, FL.* Project Manager. JMT is the current consultant for Chapters C, D, and H of SWFWMD's General Engineering Services contract. For Chapter H, JMT has been performing Peer Review of watershed evaluations, watershed management plans, BMP implementation plans, and watershed management plan updates. Task work orders include the City of Plant City Watershed Management Plan, Highlands Hammock (Little Charlie Bowlegs) Watershed Management Plan Update, Sebring Watershed Management Plan, and the East Pasco Watershed Management Plan.




Jason Evert ENVIRONMENTAL ASSESSMENTS

EDUCATION

Ph.D., Interdisciplinary Ecology, Univ of FL, anticipated 2028 MS, Zoology, Univ of Florida, 1999 BS, Biology, Hope College, 1993 **CERTIFICATIONS**

FWC Authorized Gopher Tortoise Agent #GTA-00027 Florida Stormwater, Erosion, and Sedimentation Control Inspector #28385 American Fisheries Society Associate Fisheries Professional #2363 SCUBA Diver, NAUI SCUBA O₂ Administration, PADI **YEARS OF EXPERIENCE** 30 Mr. Evert has been managing infrastructure and restoration projects, conducting natural resource research and analysis, environmental planning, and permitting for 30 years. Most of his projects involve complex regulatory issues and a significant amount of documentation, including that necessary for Clean Water Act, NEPA and ESA compliance. His experience is drawn from success to work on projects set in marine, estuarine, freshwater, and wetland areas. His role currently comprises project management, in situ data collection, ecological research, and writing/editing. He also serves as facilitator during multi-stakeholder negotiations.

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

Partin Road Settlement, *Osceola County, FL*. Environmental Manager. JMT was selected to provide design services to Osceola County, FL, on the Partin Settlement Road project in Kissimmee. This is the first time JMT has worked with Osceola County, best known for being the home of Walt Disney World. This project consists of an "alternatives evaluation" (Part 'A' of this Scope) followed by the development of design plans for construction (Part 'B' of this Scope) of Poinciana Boulevard from Pleasant Hill Road to Trafalgar Boulevard. The total project length is approximately 2.7 miles.

Oxbow Restoration of Ten Mile Creek at George LeStrange Preserve, St. Lucie County, FL. St. Lucie County. Senior Ecologist for a design that will restore the ecological and hydrologic functions to oxbow wetlands that have been disconnected due to historic base- level alterations to Ten Mile Creek. The project will enhance wetlands, increase hydraulic residence time, and improve wetland habitat within several remnant oxbows located within the preserve boundary. The design also includes a reinforced earth wall bank stabilization on Ten Mile Creek that will allow for the replanting of native vegetation to reduce erosion and associated nutrient inputs. Because the project is within a public park, care was taken to limit impacts to native vegetation and to maintain or improve recreational access. Both 1D and 2D HEC-RAS models were developed to demonstrate no adverse impacts to floodplains and floodways and to help demonstrate the project benefit. All disturbed areas within the preserve will be planted with a variety of plant species native to both the preserve and south Florida. The project will

provide improved habitat, recreation, and educational opportunities to the local community.

Satellite Beach Aquatic Habitat Restoration, Satellite Beach, FL. FWC. Senior Ecologist. Problems in the marine habitats adjacent to Samsons Island include loss of manatee grazing habitat/submerged aquatic vegetation and decreased water quality. This project will enhance submerged habitats and create productive habitat features or a mosaic of functional habitats.

St. Johns Avenue Drainage Improvements, Putnam County, FL. *Five Points Design Group, Inc. for Putnam County, FL.* Project Manager. Mr. Evert completed all necessary environmental assessments pertaining to impacts to surface waters and wetlands and protected/regulated species associated with drainage improvements along approximately 5,800 ft of roadway and a stormwater treatment pond site. Mr. Evert performed permitting and relocation of gopher tortoises and completed wetland delineations to acquire environmental permits for Segments 1 and 2.

CCNA Intersection Improvement Projects, *Hillsborough County, FL*. Environmental Manager. Mr. Evert provided wetland and protected species assessments for six intersection improvement projects located throughout Hillsborough County including Bearss Avenue at Florida Avenue (US 41). Project issues included determination of presence and impact evaluation of protected species, critical habitats, wetlands for various alternatives, and assessment of environmental permitting needs.



Lake Jesup Nutrient Reduction and Flow Enhancement, Seminole County, FL. SJRWMD. This project would add a

channel connection between the 16,000-acre Lake Jesup and the St. Johns River. The channel, constructed through historic fill, will enhance hydrologic exchange, improve water quality, and restore floodplain habitat. Additionally, a recirculating wetland treatment system will capture and treat nutrient-laden water pumped from Lake Jesup. Mr. Evert was responsible for the preparation of CWA Section 404 and 401 permits authorizing this large-scale ecosystem restoration project, which were not submitted due to the suspension of the project due to air traffic safety concerns.

Cape Haze, Charlotte County, FL. *SWFWMD.* Senior Ecologist. Restoration of this 680-acre property will follow a "habitat mosaic" restoration approach. The project will provide Charlotte Harbor's estuarine ecosystem with important tidal creek and lagoonal habitats, transitional habitats, freshwater marshes and ponds, and uplands. The restoration will also provide water quality improvements to Coral Creek. Mr. Evert managed permitting with FDEP, USACE, USFWS, SWFWMD, Charlotte County Aviation Authority, and Charlotte County.

Point Farm Mitigation Bank Assistance, Charleston County, SC. *American Timberlands Company, LLC.* Senior NEPA Specialist. JMT assisted in the development of salt marsh restoration, enhancement, and preservation credits for the Point Farm Mitigation Bank. The 1,313-acre bank is located on Wadmalaw Island in Charleston County, SC. The USACE approved the bank in June 2021. The bank will result in the protection and restoration of 1,166 acres of tidal salt marsh and 147 acres of upland buffers. JMT coordinated with the U.S. Army Corps of Engineers (USACE), Charleston District, and the Interagency Review Team (IRT) to develop a prospectus, Draft Mitigation Banking Instrument (MBI). Mr. Evert's role was to conduct research and draft the prospectus, which documented the following: project description, size, and location, ownership, mitigation plan (objectives, site selection, and protection type, baseline conditions, mitigation work plan, long-term management of the bank), determine the primary and secondary service areas; and to provide all necessary maps and figures.

Pensacola Unpaved Roads Initiative, Multiple Counties, FL. Senior NEPA Specialist. JMT inventoried, prioritized, and developed solutions to sediment-contributing, unpaved roads in the Pensacola Bay watershed with the goal of improving water quality. For this Deepwater Horizon settlement-funded project, JMT assessed hundreds of unpaved stream crossings contributing the largest sediment loads to the watershed and developed 30% design plans at 15 priority locations to eliminate or reduce sediment loading to water resources and associated habitats. The project also included an assessment of suspended and bedload sediment loading from throughout the watershed.

Water Quality Improvements to Enhance Fisheries Habitat in the Lower Choctawhatchee River Basin, Phase 1, *FDEP.* Mr. Evert comanaged this NFWF-sponsored, Gulf Environmental Benefit project. He assessed habitat at dozens of stream locations and evaluated reduced habitat function at unpaved-road stream-crossings; identified locations in the watershed with the greatest level of aquatic habitat degradation via examination of existing habitat and other physical data; mapped rare and protected species presence (e.g., mussels, bluenose shiner, and Gulf sturgeon) throughout the basin; prioritized sites for construction of Best Management Practices to reduce sediment flow to streams and Choctawhatchee Bay, and authored several technical reports for the client. Mr. Evert also prepared applications for and secured CWA Section 401 and 404 permits for sediment-abatement treatments (including paving roadway segments near the streams) at 13 stream crossings in two Florida counties.

Gomez Key Oystercatcher Habitat Expansion, Levy County, FL. *FWC*. Project Manager. To compensate for injuries to American oystercatchers ("AMOY"), a state-listed-threatened shorebird, resulting from the Deepwater Horizon oil spill, the Florida Fish and Wildlife Conservation Commission proposed to restore, enhance, and expand critical nesting and foraging habitat for AMOY on Gomez Key by integrating a combination of habitat restoration strategies to prevent erosion of the island's shorelines, increase sedimentation along the island's shorelines, and promote oyster recolonization. Mr. Evert directed wind/wave, geotechnical, environmental, hydrodynamic, bathymetric, and topographic data collection, managed the development of several conceptual designs and full draft designs, and is currently crafting permit application packages (Clean Water Act Sections 404 and 401 and Rivers and Harbors Act Section 10) for the project. Challenges that were overcome included avoiding impacting nearby submerged vegetation and configuring breakwater structures to maximize accretion and minimize scouring and erosion around Gomez Key.

Howell Creek Geomorphic and Streambank Assessment and Design. *Seminole County, FL.* Senior Ecologist. This project included an assessment of 4 miles of Howell Creek to identify the cause of geomorphic impairment and instability and quantify streambank erosion and associated nutrients. The project will also include conceptual designs of multiple stabilization projects, their estimated construction cost, and expected water quality benefits. The study and concept designs will assist the County with grant applications and demonstrate how the project can help meet TMDL obligations. Mr. Evert assisted with the field assessment, and he will soon initiate permitting activities for the stabilization of sections of the stream bank.

Mapping Submerged Aquatic Vegetation in Selected Springs and Spring Runs in the Middle St. Johns River Basin, *SJRWMD*. Mr. Evert was the project manager responsible for mapping submerged aquatic vegetation (SAV) in over 600 acres of headsprings and spring runs draining to the middle of St. Johns River in Florida. He was responsible for developing the mapping methodology; guiding GIS technicians in developing base maps of shorelines of all spring run systems, along with related information on depth, flow, and other parameters; mapping submerged aquatic vegetation coverage in springs and spring runs; contributing to GIS databases of SAV coverage and related data in all springs and spring run streams; analyzing habitat data; performing statistical analyses; and authoring a final report summarizing the findings.





Jason Flick, PE MAINTENANCE OF TRAFFIC | COST ESTIMATING & SPECIFICATIONS

EDUCATION

BS, Civil Engineering, University of Central Florida, 2006 MS, Civil Engineering with Transportation Systems emphasis, University of Central Florida, 2008 **REGISTRATION**

Professional Engineer: FL 74741 (Date Issued: 06/08/2012)

CERTIFICATION

FDOT Advanced Temporary Traffic Control (TTC/MOT) YEARS OF EXPERIENCE 17 Mr. Flick has more than 17 years of civil and transportation engineering experience in Florida. He has served in an array of roles in a variety of engineering projects for the FDOT. His design experience includes Resurfacing, Rehabilitation, and Restoration (RRR) projects, reconstruction, and new construction, including aspects such as asphalt and concrete pavement design, geometric design, public involvement, drainage design, shared use path, and sidewalk construction. Formerly, Mr. Flick was a pavement designer for FDOT District 5, working on all District 5 projects involving pavement design, cross-slope correction review, and constructability. These projects ranged from resurfacing to complete reconstruction and contributed to his comprehensive knowledge of Florida's road system. His expertise includes desian, desian, pavement constructability, cross-slope roadwav pavement correction, pedestrian and bicycle facility design, geometric design, and scope development.

Continuing Services Contract for Project Design. *FDOT District 4.* Roadway Engineer. This contract is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Tasks include five roadway improvement projects in Martin County, as well as resurfacing and bridge rehabilitation projects.

Continuing Services Contract. *FDOT District 5.* Task Lead for this ongoing Continuing Services Contract with FDOT District 5. Duties include task lead management, management and coordination of subsconsultants, roadway design, and plans preparation.

Continuing Services Contract. *Seminole County, FL.* Task Lead for this ongoing Continuing Services Contract with Seminole County. Duties include task lead management, management and coordination of subsconsultants, roadway design, and plans preparation.

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

Orange Boulevard (CR 431) Safety Improvements, Seminole County, FL. *Project Manager.* This safety improvement project involves roadway, drainage, and safety improvements along three miles of Orange Boulevard (CR 431) from SR 46 to Monroe Road in Sanford, FL. The project site extends from a busy intersection through residential neighborhoods to an industrial

area near Interstate-4 (I-4). The project includes road-widening (existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail), traffic flow improvements, pedestrian features, bridge replacement over the Lockhart Smith Canal, and drainage improvements, including placement/installation of 6-8 water-treatment facilities.

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

SR 5 (US-27) RRR from CRR 33 to Middlesex Road, Lake County FL. *FDOT District 5.* Engineer of Record for this 2.31-mile RRR project. Work on this project includes target speed determination and countermeasures, new sidewalks, ADA ramp upgrades, the addition of right turn lanes, minor drainage improvements, lighting, and 3D modeling.

US-1 RRR from Myers Drive to Crane Creek Bridge, Volusia County FL. *FDOT District 5.* Engineer of Record for this 2.15-mile RRR project. The 4-lane typical section varies from a rural high-speed facility to a curb and gutter facility. Work on this project includes target speed

1 | Jason Flick, PE – Maintenance of Traffic | Cost Estimating & Specifications



determination and countermeasures, ADA ramp upgrades, new raised grassed median minor drainage improvements, signals, lighting, landscaping, and 3D modeling.

SR 527 Orange Ave Pavement Only Project (POP) from Magnolia to SR 50, Orange County, FL. *FDOT District 5.* Engineer of Record for this 0.49-mile POP project. The typical section varies is a 4 lane one direction commercial and residential curb, and gutter facility. Work on this project includes target speed determination and minor ADA ramps upgrades.

SR 200 RRR from South of NE 175 Street to the Alachua County Line, Marion County, FL. *FDOT District 5.* Engineer of Record for this 2.36-mile RRR project. The typical section varies from a C2 rural high-speed facility to a C3C suburban commercial curb and gutter facility. Work on this project includes target speed determination and countermeasures, ADA ramp upgrades, the addition of right turn lanes, minor drainage improvements, signals, lighting, and 3D modeling.

US 1 at Cidco Road Intersection Improvements, Brevard County, FL. *FDOT District 5. Project Manager.* This project involved creating a signalized intersection at the currently unsignalized intersection of SR 5 (US 1) and Cidco Road in Brevard County, FL. Four (4) mast arms were added to the intersection, as well as intersection lighting, new pedestrian features, and upgraded signing and pavement markings. JMT was the EOR for the signal, lighting and signing and marking plans.

SR A1A Resurfacing, Restoration and Rehabilitation (RRR), Brevard County, FL. *FDOT District 5.* Engineer of Record. Mr. Flick served as a subconsultant on this RRR project that included pavement reconstruction in downtown Cocoa Beach, FL. Jason was involved in the design and QA/QC process for traffic control to allow the construction of new curb ramps, asphalt milling and resurfacing, and new streetscaping and parking for the downtown area. He also coordinated all design aspects with the prime consultant to ensure that the Temporary Traffic Control Plan would cover all roadway design items in the plan set.

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

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

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

SR 508 NASA Boulevard (RRR), Brevard County, FL. *FDOT District 5. Project Engineer.* Mr. Flick served as a subconsultant on this RRR project that included pavement reconstruction in downtown Melbourne, FL. Jason was involved in the design and QA/QC process for a complex Traffic Control Plan that will allow one side of the road to be fully reconstructed while maintaining traffic on the opposite side of the roadway. He also coordinated all design aspects with the prime consultant to ensure that the Temporary Traffic Control Plan would cover all roadway design items in the plan set.

SR 5/US 1 (RRR), Brevard County, FL. *FDOT District 5.* Project Manager and Roadway Engineer-of-Record. This RRR project was for resurfacing, turn lane widening, drainage improvements, and signing and striping of 3 miles of SR 5. The project involved widening of several turn lanes and ramp lanes to accommodate bicycle keyhole lanes. This project also involved the removal of an unnecessary auxiliary lane and, through innovative milling patterns, reconfiguring this lane into a paved shoulder. Throughout the life of the project, several utility permits were reviewed to avoid conflict with the final construction through the FDOT's One Stop Permitting review system.

SR 5/US 1 (RRR), Volusia County, FL. *FDOT District 5.* Engineer of Record. This RRR project was for resurfacing, turn lane widening, drainage improvements, sidewalk construction, signalization, and signing and striping of 2.5 miles of SR 5. The project involved adding a sidewalk along a typical rural section, which included the piping of ditches to achieve the desired sidewalk location. Other elements included heavy public involvement with the City of Port Orange to include future irrigation pipes through a local funding agreement. Throughout the life of the project, several utility permits were reviewed to avoid conflict with the final construction through the FDOT's One Stop Permitting review system.





Joseph Gerum, PE, PTOE, RSP1

TRAFFIC CALMING | BIKE & PED DESIGN

EDUCATION

BS, Civil Engineering, Florida Atlantic University, 2014

REGISTRATIONS

Professional Engineer: FL 88550 Road Safety Professional- Level 1: 857 Professional Traffic Operations Engineer (PTOE) 5579 **CERTIFICATIONS** FDOT Advanced Temporary Traffic

Control (TTCP/MOT) FDOT Specification Package Preparation IMSA Traffic Signal Tech Level 1 YEARS OF EXPERIENCE 10 Mr. Gerum has 10 years of experience as a traffic design engineer, which includes the development of roadway plans, traffic control plans, signing and pavement markings plans, utility coordination, traffic signal plans, and technical reports/ packages (RRR, Pavement Design, Typical Sections). In addition, Mr. Gerum specializes in traffic safety and has completed safety assessments for roadways throughout Florida.

SR 838/Sunrise Boulevard from I-95 to SR 5/US 1, Broward County, FL. *FDOT District 4.* Traffic Engineer. JMT was selected by FDOT District 4 to perform milling and resurfacing for the existing pavement on Sunrise Boulevard in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. The improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection of NW 13th Avenue; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks).

Design Services for SR-80/Southern Boulevard Ramps and SR-7/US-441, Palm Beach County, FL. *FDOT District 4.* Design Engineer. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR-7/US-441 and the SR-80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the EB and WB SR-80 ramps and dual right turns on NB and SB SR-7. The project includes widening of the C-51 bridges, signalization, lighting, and drainage improvements.

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

SR 5/US 1/Roosevelt Bridge Re-striping from SW Joan Jefferson Way to NW Wright Boulevard, St. Lucie County, FL. *FDOT District 4.* Design Engineer. JMT provided roadway, signing pavement marking, and signalization design for the restriping of the Roosevelt Bridge over the St. Lucie River on SR 5. In addition to providing buffered bicycle lanes, improvements also included upgrades to sidewalks and ADA ramps and replacement of TMS sites. Mr. Gerum

was responsible for the signing design, traffic control plan, and utility conflicts with the proposed improvements.

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

Orange Boulevard (CR 431) Safety Improvements, Seminole County, FL. *Seminole County, FL.* Traffic Engineer. JMT was selected for this safety improvement project, which involves roadway, drainage, and safety improvements along three miles of Orange Boulevard (CR 431) from SR 46 to Monroe Road in Sanford, FL. The project site extends from a busy intersection through residential neighborhoods to an industrial area near Interstate-4 (I-4). The project includes road-widening (existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail), traffic flow improvements, pedestrian features, bridge replacement over the Lockhart Smith Canal, and drainage improvements, including placement/installation of 6-8 water-treatment facilities.

Districtwide Safety Studies and Minor Design, Throughout FDOT District 7, FL. *FDOT District 7.* Traffic Engineer. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent design tasks include SR 579 (Dr MLK Jr Boulevard) at N 26th Street Signal Design, US 92/Hillsborough Avenue PHB installation, US 19 Pedestrian Signals, US 92/Hillsborough Avenue Lighting Design, SR 573/S Dale Mabry Highway Lighting Design, N 21st Street/N 22nd Street Wrong Way Driving Plans, Enhanced



Curve Signing and Marking Design Plans, Arterial Wrong Way Driving Signing and Pavement Marking Plans, US 19 Midblock Crosswalks, and the Signalized Missing Crosswalk Initiative.

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

Continuing Services for Project Design, Broward County, FL. *FDOT District 4.* Traffic Engineer. JMT was awarded this is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures.

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

Districtwide Safety Studies, Districtwide FL. *FDOT District 3.* Traffic Engineer for this Districtwide contract to perform traffic safety studies in support of the District 3 HSIP Program. This has included a comprehensive safety study of I-10 with a focus on recommendations to reduce the number of lane departure crashes along the corridor.

Miscellaneous Professional Engineering for Bicycle and Pedestrians. *Hillsborough County, FL.* Traffic Engineer. JMT was selected to provide Hillsborough County with bicycle and pedestrian-related support, including the design of multi-use trails, sidewalks, and bicycle lanes, as well as safety improvements identified through the Safe Routes to School program. These improvements include shoulder widening and the installation of sidewalks near schools.

Continuing Engineering Professional Services – Federal Funds. *Pinellas County, FL.* Traffic Engineer. JMT was selected as a consultant for Pinellas County's Continuing Engineering Professional Services contract, which spans five years. Recent tasks include the 119th Street Sidewalks project and 134th Avenue North from Pine Street to Trotter Road Sidewalks project. Both projects consist of sidewalk improvements that include designing ADA-compliant sidewalks, curb ramps, and driveways within Pinellas County, Florida.

Districtwide Traffic Operations Push Button Contract, Palm Beach County, FL, *FDOT District 4.* Traffic Project Designer. Mr. Gerum was responsible for plans production for Task Work Orders assigned under this contract which included projects consisting of providing miscellaneous traffic operations design services throughout FDOT District 4. The projects include resurfacing, turn-lane additions, median modifications, signal modifications, pedestrian feature upgrades, safety upgrades, and all related components required. Projects are developed in response to traffic safety issues, public concerns, and local agency requests. Representative projects include:

- SR 811 at NE 20th Street, Wilton Manors, FL. Traffic Project Designer responsible for plans production for a rectangular rapid flashing beacon installed at the intersection of SR 811 at NE 20th Street to provide a crossing across the south leg of the intersection across SR 811. The project included the addition of pedestrian ramps, signing and pavement markings, and TCP.
- SR 802/Lake Worth Road at Empire Way/Villa Madonna, Lake Worth, FL. Traffic Project Designer responsible for plans production for upgrades to the pedestrian ramps, mast arm, signing and pavement markings.
- SR 804/Boynton Beach Boulevard at SR 7/US 441, Palm Beach County, FL. Traffic Project Designer responsible for plans production in support of the preparation of structural analysis of the existing strain pole traffic signal for the addition of signal heads to accommodate the addition of a westbound right turn lane.





Steven E. Haines, PE, LEED AP

CONSTRUCTION MANAGEMENT BIDDING & PROPOSAL EVALUATION

EDUCATION

M.S. / Civil Coastal Engineering, University of Florida, 2006 B.S. / Mechanical Engineering, University of Florida, 2005 B.S. / Aerospace Engineering, University of Florida, 2005 **REGISTRATION**

Professional Engineer: FL 71522 LEED AP (BD+C) 10232666

TIN # H52078582 YEARS OF EXPERIENCE

17 RELEVANT CAPABILITIES

- Advanced MOT
- Quality Control Manager
- Asphalt Paving Levels 1 & 2
- Final Estimates Levels 1 & 2
- Critical Structures Issues
- FL Stormwater, Erosion & Sediment Control
- ACEC/FES 2019 FELI Class
- FDOT Manager's Academy
- FDOT Supervisor's Academy
- FDOT Certified Public Manager Training
- FDOT EEO, DBE and Payroll Compliance Training
- OSHA 10 Hour Training Construction Safety & Health
- HAZMAT Certification
- Nuclear Safety Certification
- Silica Training

Mr. Haines has over 17 years of Construction Engineering & Inspection (CEI) and personnel management and development experience. His experience includes CEI services on a variety of FDOT roadway projects and municipal/LAP projects, including roadway reconstruction/resurfacing, bridge rehabilitation/ replacement, utility coordination, etc. He has extensive experience managing numerous concurrent projects as Senior Project Engineer as well as various Continuing Services Contracts and projects with significant complexity and uniqueness, including bascule bridge pilot projects, shoreline stabilizations, and water quality.

CEI Services for the Alcantarra Blvd. Sidewalk Project, Port St. Lucie, FL *Sr. Project Engineer.* JMT provided CEI services to the City of Port St. Lucie to install a 6 ft. wide concrete sidewalk on the south side of SW Alcantarra Blvd. from SW Savona Blvd. to SW Port St. Lucie Blvd. Other project items include new detectable warning surfaces at side street intersections, new signage and existing sign relocations, curb and gutter at the outside right-hand turn lane near SW PSL Blvd., swale liner installation, drainage improvements, and sodding.

CEI Services for the SW Import Drive Sidewalk Phase I, Port St. Lucie, FL. *Sr. Project Engineer.* JMT provided CEI services to the City of Port St. Lucie to install a 6 ft. wide concrete sidewalk on the west side of Import Dr. from Oakwood Rd. to Inca Terrace. Other project items included driveway and culvert replacement, swale realignment, cross drain replacement, updated signage, and striping of crosswalks.

Anthony F. Sansone Sr. Blvd. Phase 3 Extension, Port St. Lucie, FL. *Sr. Project Engineer.* JMT is providing CEI services to the City of Port St. Lucie to construct a new roadway extension in Tradition that provides access for future commercial development. The improvements consist of approximately 1 mile of 2-lane construction with a center bi-directional lane, paved shoulders and turn lanes, closed drainage system, extensive lake excavation, water and gravity sewer as well as a new lift station. The project is partially funded by a Department of Economic Opportunity (DEO) grant and fully administered by the City's Community Redevelopment Agency (CRA).

CEI Services for Floresta Dr. Phase I Reconstruction, St. Lucie County, FL. City of Port St. Lucie. *Sr. Project Engineer.* This project included improvements along a critical corridor from Southbend Blvd. to the Elkham Waterway. Improvements include full reconstruction of the roadway, including medians, bike lanes, sidewalks, extensive underground drainage, major utility relocations, lighting, landscaping, pond excavation, etc.

Torino Pkwy Improvement Project, Port St. Lucie, FL. *Sr. Project Engineer.* JMT is providing CEI services to the City of Port St. Lucie to construct a roundabout at the intersection of E Torino Pkwy and Turtle Dove Ln. and to construct turn-lane improvements at the intersection of E. Torino Pkwy and Midway Rd. Project items include earthwork, drainage improvements, swale relocation, sidewalk construction, utility relocations, landscaping and irrigation, and lighting improvements, signal adjustments, new signage, and pavement markings.

Port St. Lucie Blvd From Darwin Blvd To Gatlin Blvd., Port St. Lucie, FL. *Principal Engineer.* This project, administered on behalf of the City, includes FDOT funding oversite via a TRIP Agreement. The scope of work includes clearing & grubbing, widening, reconstruction, drainage modifications, concrete curb & gutter, traffic separator, and sidewalk, utility relocations, including water and sewer line installation, drill shafts, traffic signal installations, lighting, and ADA improvements.

Bayshore Blvd. at Lakehurst Dr. Intersection Project, Port St. Lucie, FL. Sr. Project Engineer. JMT is providing CEI services to the City of Port St. Lucie to install a new mast arm traffic signal at the intersection of SW Bayshore Blvd. and SW Lakehurst Dr. Project items include four (4) new traffic signal mast arms and foundations and controller assembly, vehicle video detection equipment, pedestrian signals and detectors, signal cable, sidewalk curb ramps, signs, and pavement markings.

Gatlin Blvd. Adaptive Signal Project, Port St. Lucie, FL. *Sr. Project Engineer.* JMT is providing CEI services to the City of Port St. Lucie to install new traffic cameras, ITS and Signal cable, and

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vehicle video detection equipment at signalized intersections, optimization of green time, and addition of adaptive traffic signal control along Gatlin Blvd. within the City of Port St. Lucie. Intersections include Village Pkwy., Brescia St., Savage Blvd./Fondura Rd., Import Dr., Rosser Blvd., and Savon Blvd.

CEI Services for Floresta Dr. Phase II Reconstruction, St. Lucie County, FL. City of Port St. Lucie *Sr. Project Engineer.* This project includes improvements along a critical corridor from the Elkham Waterway to Crosstown Parkway. Improvements include full reconstruction of the roadway, including medians, bike lanes, sidewalks, extensive underground drainage, major utility relocations, lighting, landscaping, pond excavation, bridge replacement, etc.

Melville Drainage improvements PH-II Project, St. Lucie County, FL. St. Lucie County. *Sr. Project Engineer.* JMT is providing CEI services to St. Lucie County Water Quality Division for constructing an 8.8-acre Stormwater Treatment Area at South Citrus Avenue and Mallard Court. The project includes pond excavation, installation of stormwater pipe, construct and modify drainage structures, roadway reconstruction, landscaping, and fencing.

Keen Rd. over Taylor Creek Bridge Replacement (940037), St. Lucie County, FL. *Sr. Project Engineer.* This project is for the full replacement of the Keen Rd. Bridge over the FPFWCD Canal No. 1/Taylor Creek. The project includes demolition of the existing structure, installation of four pile bents, three spans of Florida Slab Beams (FSB 15x55), a 6.5" cast-in-place concrete topping and raised sidewalks with traffic and bullet railing. The project also includes extensive riprap rubble, roadway reconstruction, cantilever sheet pile wall, and standard sheet pile wall with soil anchors.

Reconstruction of Port St. Lucie Blvd. from Darwin to Alcantarra, St. Lucie County, FL, FDOT District 4 (*CAF67* / 431752-6-62-01). Sr. *Project Engineer.* This project includes modifying the existing 2-lane undivided to a 4-lane urban roadway on a critical north-south southern Port St. Lucie corridor. The project also includes full roadway reconstruction and widening, concrete (sidewalk, driveway, curb and gutter, and textured), earthwork construction for a new pond and ditch excavation, a new closed drainage system, extensive utility relocates including water/wastewater, lighting, new signalization, landscaping & irrigation, etc.

SR 70 Pedestrian Bridge Rehabilitation, St. Lucie County, FL. *Sr. Project Engineer.* This project is for rehabilitation of an existing pedestrian bridge over SR 70 near the SLC fairgrounds. The bridge has been closed to pedestrians and the County will be turning over maintenance of this bridge to FDOT. Rehabilitation includes removal of the pedestrian enclosure, replacement of handrailing, cleaning and applying a class 5 coating, replacement of deck expansion joints, and repair/replacement of the lighting components.

CEI Services for Bell Avenue Sidewalk, St. Lucie County, FL. *Sr. Project Engineer.* This project includes improvements along the South side of Bell Avenue from 25th Street to Sunrise Boulevard. Improvements include the installation of a 6 ft. wide concrete sidewalk, driveway, and culvert replacement, swale realignment, updated signage, utility relocations, and striping of crosswalks. The project includes close coordination with the public and County staff to minimize disruptions to the traveling public as this corridor carries significant industrial and commercial traffic to the local area. Additionally, this is a LAP-funded project with FDOT oversight.

CEI Services for Edwards Rd. Reconstruction, St. Lucie County, FL. St. Lucie County *Sr. Project Engineer.* This project is a low bid, designbuild, off-system Local Agency Project that includes replacement of the drainage system damaged due to Hurricane Irma, utility relocations, full roadway reconstruction, signalization at the Oleander Ave. intersection to replace the existing span wire system with mast arms and milling & resurfacing of Oleander Ave. south to the railroad tracks. The project includes close coordination with local utility companies, railroad representatives, and FDOT's adjacent ATMS project.

CEI Services for Header Canal Rd. Resurfacing Project, St. Lucie County, FL. St. Lucie County. *Senior Project Engineer.* JMT is providing CEI services to St. Lucie County for full depth reclamation and Cold In-Place Recycling of 5.1 miles of Header Canal Rd. from SR-70 (Okeechobee Rd.) to SR-68 (Orange Ave.). Other project items include milling and resurfacing with Hot Mix Asphalt, minor widening, shoulder stabilization, and new pavement markings.

CEI Services for St. Lucie County Bridge Repairs (Project 18501 PH II, 11 Mile Rd over 10-Mile Creek), St. Lucie County, FL. *Sr. Project Engineer.* JMT provided CEI services to St. Lucie County to repair the 11 Mile Rd. bridge over 10-Mile Creek. Project items included pile jackets, joint and spall repair on deck, expansion joint replacement, riprap rubble, milling and resurfacing, and bridge mounted conduit repairs.

Seminole Rd. Guardrail Project, St. Lucie County, FL. St. Lucie County. Sr. Project Engineer. JMT provided CEI services to St. Lucie County for 2.5 miles of guardrail installation along the west side of Seminole Rd. from Indrio Rd. to Immokolee Rd.

CEI Services for Indian River Dr. Traffic Calming Project, St. Lucie County, FL. St. Lucie County. *Sr. Project Engineer.* This was the first phase of the locally funded project consisting of rehabilitating the existing pavement and installation of traffic calming features along S. Indian River Drive from Walton Rd. to Midway Rd. The project was constructed in three stages with three different prime Contractors, completing roadway edge repairs and shoulder treatments in various locations, resurfacing the entire roadway utilizing micro-surfacing and chip seal, installing new thermoplastic pavement markings and speed reduction markings within locations of tight curves, and installing 12 Dynamic Speed Feedback signs, 6 along NB and 6 along SB

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Matthew Knight, PE TRAFFIC STUDIES & PLANNING

EDUCATION BS, Civil Engineering, University of Florida 2019 REGISTRATION Professional Engineer: FL 97839 YEARS OF EXPERIENCE 5 Mr. Knight is a graduate of the University of Florida with a Bachelor of Science in Civil Engineering. Matthew's experience includes traffic studies (signal warrants, data collection, future year design alternatives, speed/travel time studies), data collection, MicroStation CADD design, traffic modeling (HCS+, Synchro / SimTraffic, Sidra), design, cost estimates, and intersection control evaluation (ICE) studies.

Districtwide Safety Studies, Districtwide FL. *FDOT District 3.* Traffic Engineer for this Districtwide contract to perform traffic safety studies in support of the District 3 HSIP Program. This has included a comprehensive safety study of I-10 with a focus on recommendations to reduce the number of lane departure crashes along the corridor.

Districtwide Safety Studies and Minor Design, Tampa, FL. *FDOT District 7.* Traffic Engineer. JMT is providing studies and design for traffic safety projects and operational improvements for roads and streets under this FDOT District 7 Safety Studies and Minor Design Services contract. Services JMT has performed under this contract include safety studies, road safety audits, before-after studies, bicycle and pedestrian safety action plans, and minor design services. Recent tasks performed throughout the District include: engineering support services; severe crash location reviews; road safety audits and safety assessment reports; Pasco countywide bicycle safety action plan; corridor lighting prioritization; safety reviews and studies; pedestrian/bicycle engineering safety initiative; construction cost estimates and conceptual plans; midblock crossing studies; and analyses for additional crossings at signalized intersections.

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

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

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

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

SR 574/Dr. Martin Luther King Jr. Boulevard, Tampa, FL. *FDOT District 7, City of Tampa.* Traffic Engineer. Project included signalization plans, signing and pavement marking plans for the section of SR 574/Martin Luther King Jr. Boulevard from east of Nebraska Avenue to N. 42nd Street in Tampa, FL. Project included resurfacing within CSX Railroad right-of-way, signal reconstruction, school safety study and compliance with ADA standards.

Professional Engineering Services for Traffic and Road Safety, Tampa, FL. *Hillsborough County, FL.* Traffic Engineer. JMT was selected to provide studies and design for traffic safety and operations for roads and streets under Hillsborough County's Miscellaneous Traffic Engineering Services contract. Recent tasks performed throughout the County include signal warrant studies, network safety studies, pedestrian crossing studies, GIS data, pedestrian crosswalk signal designs, temporary traffic control plans, lighting studies, hazardous walking routes, safe routes to school, safe access to transit, origin-destination studies, and traffic safety public request investigations.





Paul Marotta, PE MISCELLANEOUS STRUCTURES DESIGN

EDUCATION

MS, Structures, Johns Hopkins University, 2016 BS, Civil Engineering, University of Delaware, 2012 REGISTRATION

Professional Engineer: FL 91071(Date Issued: 3/22/2021), MD 50270 (Date Issued: 12/15/2016) YEARS OF EXPERIENCE 14 Mr. Marotta has 14 years of experience in bridge design, inspection, and evaluation, covering a variety of assignments of highway bridges and structures in FL, MD, DE, PA, VA, DC, SC, NJ, and NY. His experience covers a variety of assignments, including the inspection, repair, rehabilitation, and new design of highway bridges, culverts, retaining walls, noise walls, overhead sign structures, mast arms, and other roadside structures. He has extensive knowledge of FDOT miscellaneous structures software, manuals, standard plans, and specifications and is familiar with designing and analyzing mast arms and strain poles for traffic signal supports, overhead sign structures, sign support spread footings and box culverts.

SR5/US 1/S. Dixie Highway from north of SW 80th to south of Riviera Ave., Miami-Dade County, FL *FDOT District 6.* Structural Engineer. The purpose of this project was to restore, resurface, and rehabilitate the existing pavement along the SR 5 corridor between SW 80 Street and Riviera Drive in the cities of Coral Gables and South Miami. Additional improvements included upgrading existing signing and pavement markings, upgrading existing signalization features, including mast arm replacement, replacing deficient roadside safety hardware (ex., guardrails and barrier walls) and bridge repairs, and replacing deficient sidewalk and curb ramps to meet ADA guidelines. JMT provided structural engineering design services including mast arm analysis, designed new barrier walls and foundations to protect overhead ITS structures, guardrail-to-bridge anchorage/traffic railing replacement, and bridge joint replacement. JMT also developed temporary traffic control plans with pedestrian detours and designed traffic monitoring sites. Mr. Marotta was responsible for analyzing, designing, and preparing reports and contract plans for seven mast arms supported on drilled shaft foundations and for preparing plan details for minor bridge rehabilitation and traffic barrier modifications.

Partin Settlement Road - Part B, Final Design, Segment 1, *Osceola County, FL.* Structural Project Engineer. Mr. Marotta was responsible for design oversight and QA/QC for the final design and preparation of contract documents for ten mast arms supported on drilled shaft foundations.

Wekiva 7B - SR 46 (Wekiva Pkwy) from W of Center Rd to I-4, Seminole County, FL. *FDOT District 5.* Structural Engineer. JMT designed the widening and reconstruction of SR 46 into a 6-lane divided urban roadway to tie into the recently completed I-4/SR 46 interchange. The improvements were part of FDOT's Central Florida Beltway. The project's typical section included a raised median, three travel lanes in each direction, turn lanes, bike lanes, curbs and gutters, and a sidewalk. Mr. Marotta was responsible for assisting in developing plans and design calculations for one new overhead cantilever VMS structure, 7 new mast arm structures, one existing mast arm, and 4 light pole spread footing foundations using various FDOT structures software.

Orange Boulevard (CR 431) Safety Improvements Task WO1 and WO2, FL. *Seminole County, FL.* Senior Structures Engineer. Orange Boulevard (CR 431) safety improvements from SR 46 to Monroe Road included the reconstruction of three miles of an existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail. This contract consisted of a Preliminary Engineering Study to evaluate alternatives, followed by a final design component to prepare final construction plans. Mr. Marotta was responsible for developing plans, structural calculations, and engineers' estimate for the widening of 68ft long 2-span reinforced concrete slab bridge 774059, the new 6'x4' dual cell reinforced concrete box culvert S-90, and the 6'x3' reinforced concrete box culvert S-310/S-313/S-314 extension.

Martin Luther King (MLK) Jr. Blvd. at North 26th, Tampa, FL. *FDOT District 7.* Structural Engineer. JMT is providing professional engineering services as part of a JPA between FDOT and the City of Tampa to install a new traffic signal at the intersection of SR 574 at 26th Street in Tampa, FL. The project includes new mast arms, intersection lighting, and sidewalk and crosswalk improvements necessary to accommodate ADA criteria at the intersection. Mr. Marotta was responsible for the final design and preparation of contract documents for two mast arms supported on drilled shaft foundations.

US 92/SR 600/Hillsborough Avenue from East of Central Avenue to West of SR 583/N 56th Street, Tampa, FL. *FDOT District 7.* Structural Engineer. JMT designed a designated midblock crosswalk with pedestrian-activated HAWK signalization across Hillsborough Avenue just west of Rose Lane. Included the design of a mast arm support with dual arms in the median. This required a variation that was approved by the District Design Engineer. Also included the design of new curb ramps, extending the existing raised median, sidewalk within the median, and lighting meeting the horizontal and vertical FDOT criteria within the crosswalk. The lighting was designed using a spread footer that will also serve as the sidewalk and required coordination with TECO for the installation of fixtures on joint-use poles. Mr. Marotta was



responsible for the final design and preparation of contract documents for HAWK signal dual mast arm supported on drilled shaft foundations and assisted with the final design and preparation of contract documents for two pedestrian signal spread footings.

Drayton Island Road over St. John Bridge Replacement, Putnam County, FL. *FDOT District 2.* Structural Engineer. This project is located along the St. Johns River in Putnam County (north of Lake George) and consists of the final design for the replacement of the ferry landings and roadway approaches the landings on the mainland and island (Drayton Island) side for the Drayton Island Ferry. Provided final design of the ferry landing bridge improvements, which will serve ferry and vehicular access across the St. Johns River between Georgetown and Drayton Island. The replacement superstructure consists of Florida Slab Beams (FSBs), supported landings, and a ferry barge. Mr. Marotta was responsible for assisting in the final design of two 50ft and 60ft long simple span bridges with Florida Slab Bridge superstructure and end bents with 18" square precast piles.

Maitland Pedestrian Bridge over I-4, Orlando, FL. *FDOT District 5.* Structural Engineer. The proposed Maitland Pedestrian Bridge crosses the I-4 at Maitland Blvd. in Orlando, Florida. The bridge is located over ten lanes of the I-4 as well as seven lanes of off/on ramps. The proposed bridge is a three-span (167'-10", 238'-6" & 133'-10") structure with an overall length of 540'-2". The bridge structure consists of a steel truss superstructure, two end bents steel, and solid wall-type piers on a steel pipe pile foundation. Work performed includes design and detailing of two piers, 45'-0" high illuminated pylons and analyzing existing end bents for structural capacity to receive new loadings from the steel truss. Additional work performed includes the development of contract plans, and coordination with clients, contractors, and sub-consultants. Mr. Marotta was responsible for assisting in designing 40 ft high bridge interior bents with 24" diameter pipe pile foundation. Mr. Marotta assisted with analyzing existing end bents for structural adequacy using FB-MultiPier software and recommending the utilization of existing end bents for the proposed bridge. Mr. Marotta assisted with preparing structural details and plans and reviewing bridge superstructure design calculations performed by the subconsultant.

SR 141 Improvements, I-95 Interchange to Jay Drive, New Castle County, DE. *DelDOT.* Project Engineer. JMT is providing design services that will address the capacity, safety, and infrastructure deficiencies along the SR 141 corridor from Jay Drive to the Christina River Bridge located north of the I-95 Interchange. This project includes widening NB and SB SR 141 to accommodate a third travel lane and full shoulders, widening Commons Boulevard to provide for a third left turn lane onto NB SR 141, the addition of two new SB I-295 lanes, replacement of Bridges 1-676 and 1-677 over SB I-95/I-295, reconstruction of six ramps, nine new sign structures, modification of two culverts, five retaining walls. Mr. Marotta assisted in the preliminary design and study for bridge replacement options for Bridges 1-676 and 1-677. Investigated and recommended the Accelerated Bridge Construction (ABC) method to reduce construction time and mobility impacts for proposed bridges. Prepared reports, cost estimates, and plans for bridge replacement alternatives. Mr. Marotta's role also included the structural design of the nine sign structures.

Elkton Road Improvements, from the Maryland State line to Casho Mill Road, New Castle County, DE. *DelDOT.* Project Engineer. JMT is providing design services, which include improvements to Elkton Road between the Maryland State Line and Casho Mill Road in Newark, Delaware. The work includes pavement reconstruction, pedestrian/bicycle improvements, and safety improvements. Mr. Marotta's role also included the design and study of two pedestrian bridge substructures, modification of existing Bridges 1-322 and 1-323 with 42" parapets and preliminary design and study of bridge widening options for Bridge 1-281 over Christina River along SR-4.

SR 4, Christina Parkway from SR 2, Elkton Road to SR 896, South College Avenue, Newark, DE. *DelDOT.* Project Engineer. JMT is providing design services, which include the study and final design of bridge widening options for Bridge 1-281 over Christina River along SR-4 and Bridge 1-282 over AMTRAK. The widening will include a barrier-separated shared-use path for pedestrians and cyclists. Mr. Marotta's role included the preliminary design and plan development for these two bridges.

Open-End Bridge Design Services, Statewide, MD. *Maryland State Highway Administration.* Structural Engineer. Project Engineer. Assisted in the design and preparation of plans and specifications, contract documents, and shop drawing reviews for new and rehabilitated bridges, deck replacements, culverts, and incidental structures. Mr. Marotta's role includes assistance in various bridge design projects and direct involvement in the load ratings for 258 bridges.

Comprehensive Preliminary and Final Engineering Design Services, Statewide, MD. *Maryland Transportation Authority.* Project Engineer. Assisted in the structural analysis, design, and rehabilitation of complex and routine bridge structures, small structures, sign structures, noise walls, retaining walls, tunnels, and buildings. Mr. Marotta assisted in various bridge ratings, structural analysis, bridge deck condition surveys, and preparing structural contract plans for new and rehab. routine bridge structures, noise walls, and retaining walls. Projects include the I-95 NB ETL Extension, I-95 Deck Condition Surveys, and the rehabilitation of 18 bridges along the BHT corridor.





Michael Priory, PE ROADWAY DESIGN

EDUCATION

M.B.A., Business Administration, Illinois Institute of Technology, 1991 B.S., Civil Engineering, Bradley University, 1985 **REGISTRATION**

Professional Engineer: FL 60614 Advanced Maintenance of Traffic (MOT): 16256 YEARS OF EXPERIENCE 35 Mr. Priory has 35 years of transportation engineering experience, including road and highway design, rest area building improvements and parking expansion, engineering studies, value engineering, and construction administration. This experience has made him proficient in project management, the preparation of community awareness plans, typical section packages, pavement design packages, engineer's estimates, and computation books. Mr. Priory also served as the in-house Project Management Support for the FDOT's District 4 office. In addition to the specific project experiences listed below, Mr. Priory is proficient in the use of software such as MicroStation CADD and Primavera.

Continuing Services for Project Design, FL. *FDOT District 4.* QA/QC Manager. This is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects, including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Support services include surveying and mapping, geotechnical engineering, public involvement, utility coordination, 3D modeling, and environmental permitting. Tasks include five roadway improvement projects in Martin County, as well as resurfacing and bridge rehabilitation projects.

Continuing Services for LAP Projects, FL. *FDOT District 4.* QA/QC Manager. Under this \$5M, five-year continuing services contract, the FDOT administers Local Agency Program (LAP) projects on behalf of the Federal Highway Administration (FHWA) for towns, cities, and counties to develop, design, and construct transportation facilities with federal funds. The types of projects include safety, resurfacing, bicycle and pedestrian facilities, traffic calming, bridges and tunnels, and infrastructure-based Intelligent Transportation System (ITS) projects. JMT provides design services for this contract, including roadway, temporary traffic control plans, drainage, permitting, signing and pavement marking, signalization, lighting, structures, ITS, traffic/safety, and surveying and mapping.

Districtwide In-House Project Management, Districtwide, FL. FDOT District 4. Project Manager. Mr. Priory was the in-house Project Management Support for the D4 office.

SR-9336/SW 344th Street/Palm Drive from SW 192nd Avenue to W of SR-5/US-1, Miami-Dade County, FL. *FDOT District 6.* QA/QC Manager. Within the project limits, SR 9336/SW 344 Street is a 1.8-mile arterial corridor, which begins as a two-lane, two-way roadway that transitions to an urban, divided four-lane section within the City of Florida City and provides access to US-1 and the nearby Florida's Turnpike, Florida City Hall, the South Dade Transitway Corridor, the well-known Robert-is-Here fruit stand and other farmer's markets, and the Everglades National Park. The scope of this 3R project with safety improvements includes milling and resurfacing the travelway, addition of paved shoulders in the rural segment between SW 192nd Avenue and NW/SW 6th Avenue, installation of a 12'-wide shared-use path from SW 188th Avenue to NW/SW 6th Avenue which continues to a widened 10'-wide sidewalk along the urban segment from SW/NW 6th Avenue to SR 5/US 1, on-street parking, and upgrades to sidewalks/ADA ramps, bus stops, signing and pavement markings, signalization, lighting, and landscaping. The project involved extensive coordination with the City and Miami-Dade County for off-system agreements to construct the shared-use path and to install geometric and safety upgrades at the intersection of SW/NW 6th Avenue, and to provide special elephant markings at the busway.

Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US-441, Broward County, FL. *FDOT District 4.* QA/AC Manager. This project involved the reconstruction of Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 to accommodate 11 lanes, 5-ft bike lanes in each direction, and a sidewalk on the south side. Loxahatchee Road is an existing 2-lane rural section that is 6.2 miles long. Project challenges included accommodating 3 round-a-bouts within the limited right-of-way, maintaining traffic during construction, and coordinating between the various stakeholders (FDOT, City of Parkland, Broward County, adjacent construction projects). Wetlands were delineated on Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US-441. Team biologists coordinated with design engineers to assure minimization of impacts to wetlands, protected species, and secondary impacts.

SR-838/Sunrise Boulevard from I-95 to SR-5/US-1, Broward County, FL. *FDOT District 4.* Project Manager. JMT was selected by FDOT District 4 to perform milling and resurfacing of the existing pavement on Sunrise Blvd. in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. Those improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection



of NW 13 Ave.; relocating inlets within crosswalks and ADA ramps and regrading/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks).

Design Services for SR-80/Southern Boulevard Ramps and SR-7/US-441, Palm Beach County, FL. *FDOT District 4.* Project Manager. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR-7/US-441 and the SR-80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the EB and WB SR-80 ramps and dual right turns on NB and SB SR-7. The project includes widening of the C-51 bridges, signalization, lighting, and drainage improvements.

Las Olas Blvd Bridge Rehabilitation over the ICWW, Fort Lauderdale, Broward County, FL. *FDOT District 4*. QA/QC Manager. This project proposes to perform structural, mechanical, and electrical improvements on the Las Olas Blvd bridge over the Intracoastal Waterway in the City of Fort Lauderdale. An intricate traffic control plan was developed to maintain traffic on one side of the bridge during the full deck replacement without requiring a temporary crossover, and detour plans were developed for full bridge closures to replace fender system piles and perform certain painting operations. The project is located in a high-profile corridor near affluent neighborhoods and tourist attractions, as Las Olas Blvd provides a direct connection from the downtown area to Fort Lauderdale Beach.

SR 808/Glades Road from Interstate 95 to NW 7th Avenue, 1.284 Miles, Palm Beach County, FL, *FDOT District 4. Project* Manager and Engineer of Record. This Resurfacing, Restoration, and Rehabilitation (RRR) project involved milling and resurfacing, traffic rail replacement on four bridges, bridge widening to accommodate new sidewalk; sidewalk addition to eliminate existing gaps and provide access to Military Trail, signalization, landscaping enhancements, signing and pavement markings, and upgrading all pedestrian features to meet current Americans with Disabilities Act (ADA) standards. The project included detailed traffic control for work over Interstate 95 and the Florida East Coast (FEC) railway.

SR 9/Interstate 95 at Blue Heron Boulevard Interchange, Palm Beach County, FL, *FDOT District 4.* Project Manager and Engineer of Record. Mr. Priory prepared the Roadway Plans for this interchange improvement project involving the addition of one left-turn lane to both the northbound and southbound SR-9/I-95 exit ramps at Blue Heron Boulevard, extending the following existing left-turn lane(s) on Blue Heron Boulevard: the west leg with 42nd Way, east and west approaches to I-95, and west leg of Garden Road; addition of a right-turn-only lane on the south leg, and extending the right-turn-only lane on the north leg of the Blue Heron Boulevard /Garden Road signalized intersection; modifications to the existing signalized intersections, signing and pavement markings, landscape, hardscape, and, irrigation repairs required to accommodate the revised geometrics.

SR 823 (Flamingo Road) South of Pembroke Road to South of Griffin Road, Broward County, FL, *FDOT District 4. Project Manager* for this five-mile guardrail replacement project. The project involved analyzing existing conditions, safety hazards, and areas with erosion problems, replacing substandard guardrails, and restoring canal embankment slopes behind the guardrail along SR-823/Flamingo Road, coordination with and permitting from three water management agencies.

SR A1A/Ocean Boulevard from Azalea Street to South of Sheridan Street, 2.014 Miles, Broward County, FL. *FDOT District 4.* Quality Control Engineer. Performed quality control reviews for project-related submittals, such as typical section packages, pavement design, and phase submittals. This "ride only" project involves milling and resurfacing and upgrading all pedestrian features to meet current ADA standards.

SR 800/Spanish River Boulevard from Federal Highway to Ocean Drive, Palm Beach County, FL. *FDOT District 4. Quality Control Engineer.* Performed quality control reviews for project-related submittals, such as typical section packages, pavement design, and phase submittals. This RRR project involves milling and resurfacing, traffic rail replacement on two bridges, landscape enhancements, and upgrading all pedestrian features to meet current ADA standards.

SR 5/US 1 (20th Place to 33rd Street), Indian River County, FL, *FDOT District 4.* Project Manager for this RRR project that involved milling and resurfacing, signalization, landscaping enhancements, and upgrading all pedestrian features to meet current ADA standards.

SR 80/Southern Boulevard (CR 880 to Forest Hill Boulevard), Palm Beach County, FL, *FDOT District 4.* Lead Quality Assurance/Quality Control Engineer for this RRR project that involved milling and resurfacing, sidewalk construction, signalization, lighting and landscaping enhancements, and upgrading all pedestrian features to meet current ADA standards.

In-house Staff Augmentation, Consultant Management Design Section 6, Broward County, FL, *FDOT District 4*. Project Manager. Mr. Priory oversaw the design and production development of various state and off-system projects, including *SR-9/I-95 at 6th Avenue South/Lake Worth*- interchange improvements, turn-lane additions on I-95 exit ramps, turn lane and designated bike lane additions on 6th Ave. *NE Broward Mobility Project, Pompano Beach/Deerfield Beach* –pedestrian and bike improvements on NE 48th ST (SR-845 to SR-5), SW 3rd AVE (SR-869 to SR-810), NE 11th AVE (SR814 to NE 10TH ST.), and SE 2nd AVE (SR-869 to SR-810). *NE 5th Ave from Boca Raton Rd to NE 20th St, Boca Raton* –replacement of four-foot sidewalk with six-foot sidewalk and filling existing sidewalk gaps along the west side of the roadway. *NE 34th Ct from NE 12th Ter to NE 16th Ave, Oakland Park, FL* – the addition of sidewalk to both sides of the roadway, widening for designated bike lanes in each direction, and pedestrian lighting.





Michael Ryan, PE DRAINAGE DESIGN & PERMITTING

EDUCATION BS, Civil Engineering, Florida Institute of Technology REGISTRATION Professional Engineer: FL 76171 YEARS OF EXPERIENCE 23 Mr. Ryan has over 23 years of experience in engineering, design, plans preparation, supervising, project management, construction management, and permitting relating to stormwater hydrology, hydraulics, transportation, and commercial and residential site development. His experience includes designing, modeling, and reviewing roadway stormwater management and conveyance systems in compliance with FDOT and municipality design criteria. Mr. Ryan has designed stormwater management facilities, culverts, and floodplain compensation sites. He has also completed pond siting analysis and coordinated with various water management districts and environmental regulatory agencies to obtain necessary permits.

Stormwater - Professional Engineering Services. *Pinellas County, FL.* Senior Drainage Engineer. JMT was selected as a consultant for Pinellas County's Stormwater Engineering Services contract, which spans five years. Curtis Drive Stormwater Improvements - JMT is working on a Preliminary Engineering Report (PER) to determine the causes of frequent flooding and pavement deterioration within an approximately 20-acre subdivision. Vulnerability Assessment – Phase II Data Collection and Updated Flood Resiliency Tool - JMT was tasked with assisting the County in collecting and assimilating geographic information systems (GIS) data to support the vulnerability assessment for Critical and Regionally Significant Asset Inventory, Topographic information and flood scenario-related data is included.

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

CCNA Intersection Projects, *Hillsborough County, FL*. Senior Drainage Engineer. JMT provides survey, data collection, traffic operation studies, roadway, drainage, signing and pavement marking, and signalization design, environmental permitting, and post-design services for this contract. The purpose of this project is to comprehensively evaluate multiple intersections and document the information necessary to reach a decision on the feasibility, operations, and conceptual design that will meet the goals of the Vision Statement. Six intersections were evaluated through the PER process: Bearss Avenue at Florida Avenue; Bearss Avenue at Zambito Road; Ehrlich Road at Hutchison Road; Himes Avenue at Idlewild Avenue; Himes Avenue at Busch Boulevard; and Himes Avenue at Waters Avenue. Three were selected to move to design: Bearss Avenue at Florida Avenue, Himes Avenue at Busch Boulevard, and Himes Avenue at Waters Avenue. JMT is providing design services to widen the roadway for a dedicated right turn lane on the southwest leg of the intersection which provides for an additional through lane at the intersection. This will allow more traffic to flow eastbound through the intersection during each cycle.

Transportation - **Professional Engineering Services.** *Pinellas County, FL.* Senior Drainage Engineer. JMT was selected as a consultant for Pinellas County's Transportation Engineering Services contract, which spans five years.

- East Lake Road from South of Curlew Road to North of Trinity Boulevard JMT is providing analysis of feasible alternatives for improving capacity, traffic flow, and safety along the corridor. Deliverables included an existing conditions assessment report, a traffic evaluation report, a preliminary corridor analysis and alternatives, a development study report, a final corridor analysis, an alternatives development study report, and a public involvement summary.
- <u>Pavement Management</u> JMT assisted the County's pavement management program by providing resurfacing plans for over 20 roadway corridors and neighborhoods that will get completed within the next year.
- <u>102nd Avenue PER</u> JMT is providing the County with a preliminary engineering report (PER) for 102nd Avenue North from 137th Street/Antilles Drive to 125th Street. The PER will analyze alternatives for proposed improvements that include the design of an urban roadway with 11-foot travel lanes, a 12-foot-wide multi-use path from 125th Street to the existing Walsingham Park trail, 6-foot sidewalk, mast arm signalization at 131st Street North, and drainage analysis for improvements.

General Engineering Services. *Southwest Florida Water Management District, FL.* Senior Drainage Engineer. JMT is a current consultant for Chapters C, D, and H of SWFWMD's General Engineering Services contract. This contract allows JMT to work on the specific task items within each Chapter for SWFWMD, as requested. Specifically, for Chapter H, JMT has been performing a Peer Review of watershed evaluations, watershed management plans, BMP implementation plans, and watershed management plan updates. Task work orders include the City of Plant City Watershed Management Plan and the Highlands Hammock (Little Charlie Bowlegs) Watershed Management Plan Update.

1 | Michael Ryan, PE - Drainage Design & Permitting



SR 10 (US 90) over Marquis Bayou, Santa Rosa County, FL. FDOT District 3. Mr. Ryan served as Drainage Engineer for this project.

This project includes the design of a replacement bridge over Marquis Bayou on a shifted alignment to the south to allow construction to take place in a single phase with minimal impacts to the motorists. Mr. Ryan provided an alternatives analysis to determine the most appropriate alignment option, preparation of a Bridge Hydraulic Report, Bridge Development Report, and permitting for a new two-lane facility on a hurricane evacuation route over an Outstanding Florida Waterway. Mr. Ryan also provided roadway conveyance design, stormwater management facility design, drainage design documentation, and plans production. Additional alternatives were prepared including a north and south bypass with detailed cost estimates.

Malcolm Taylor Road over Rice Machine Branch, Holmes County, FL. *FDOT District 3.* Mr. Ryan served as Drainage Engineer on this project which included the design for a bridge replacement on Malcolm Taylor Road over Rice Machine Branch as well as the associate roadway approach improvements. Mr. Ryan completed bridge hydraulic evaluations and provided BHRs, conveyance design, plans production, and design documentation. The project also involved the replacement of two structurally deficient bridges with box culverts in other locations in Holmes County, Florida.

Liberty School Road over Gum Branch, Holmes County, FL. *FDOT District 3.* Mr. Ryan served as Drainage Engineer on this project which included the design for a bridge replacement on Liberty School Road over Gum Branch as well as the associate roadway approach improvements. Mr. Ryan completed bridge hydraulic evaluations and provided BHRs, conveyance design, plans production, and design documentation.

SR 123 from north of Turkey Creek to SR 85 North, Okaloosa County, FL. *FDOT District 3.* Mr. Ryan served as Drainage Engineer on this project. This project is new roadway typical section that consists of a SIS rural typical section with 2-12' travel lanes and 8' shoulders (5' paved), separated from the existing roadway by a 64' grassed median. The existing intersection of SR 123 and SR 85 North will be redesigned as a result of the flyover construction. The two-lane flyover structure will eliminate the need for the existing signal at the SR 123/SR 85 North intersection, and the signal will be removed as a part of this project. The ultimate condition is currently perceived as a 6-lane divided section construction of which is currently not planned. Stormwater management facilities are sized to accommodate the drainage requirements of a future 6-lane section. Mr. Ryan provided a pond alternatives evaluation, stormwater management facility design, conveyance design, drainage design documentation, plans production, and permitting for this project.

Cape Haze Drive Bridge over Amberjack Cove Waterway, Charlotte County, FL. *Charlotte County, FL.* Mr. Ryan served as Drainage Engineer for this project. This project involved the replacement of a 21'-2" bridge over Amberjack Cove Waterway. The new structure consisted of a single span at 20'-6" using a precast three-sided arch and provided five-foot sidewalks. The design of the precast sheet pile walls that wrap the bridge abutment was also completed. This project also included an increase in the vertical profile (by approximately one foot), adjustment of the roadway approaches, preparation of a Bridge Development Report and Bridge Hydraulic Report, utility design, and permitting.

I-75 (SR 93) from SR 951 to North of Golden Gate Parkway, Collier County, FL. *FDOT District 1.* Mr. Ryan served as Drainage Engineer providing drainage design, plans production, and permitting. The drainage for the project consists of dry detention swales running parallel to I-75, one wet pond, conveyance design, cross-drain evaluations, and bridge hydraulic evaluation.

I-75 (SR 93) from South of SR 78 to the Charlotte County Line, Lee County, FL. *FDOT District 1.* Mr. Ryan served as a Drainage Engineer, providing stormwater management design for wet and dry systems, providing for water quality treatment, nutrient loading reduction, discharge attenuation, and floodplain compensation for the proposed roadway improvements.

131st Street North at 86th Avenue North, Pinellas County, FL. *Pinellas County, FL.* Mr. Ryan served as Drainage Engineer, providing stormwater management facility design and obtaining the required environmental permits. He served as the Drainage EOR for post-design services.

Sunset Point Road at North Betty Lane Intersection Improvements, Pinellas County, FL. *Pinellas County, FL.* Mr. Ryan served as Drainage Engineer, providing plan review and revision specifically regarding McKay Creek and the bridge hydraulics evaluation. Also provided environmental permitting services for permit approval. He served as Drainage EOR for post-design services.

McIntyre Road from Mondon Hill Road to Croom Road, Hernando County, FL. *Hernando County, FL.* Mr. Ryan served as Drainage Designer for this project. The project's design was to improve the horizontal and vertical geometry along McIntyre Road while maintaining the two-lane rural road section. Mr. Ryan was on the design team that developed the roadway, drainage, and traffic control plans, as well as the environmental permitting with the Southwest Florida Water Management District (SWFWMD) for the four stormwater management facilities within the project limits.





Jameson Wilson, PE MAINTENANCE OF TRAFFIC

EDUCATION

BS, University of South Florida, Civil Engineering, 2017 **REGISTRATION** Professional Engineer: FL 97158 (Date Issued: 9/11/2023) **YEARS OF EXPERIENCE** 5 Mr. Wilson has over five years of experience in roadway engineering design. His design background includes working on transportation, water and wastewater systems, and drainage engineering projects. Mr. Wilson also has permitting experience. He is very familiar with AutoCAD Civil 3D as well as other engineering platforms.

Districtwide Safety Studies and Minor Design, Districtwide, FL. *FDOT District 7.* Roadway Engineer. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent tasks include engineering support services, severe crash location reviews, road safety audits and safety assessment reports, Pasco Countywide Bicycle Safety Action Plan, corridor lighting prioritization safety reviews and studies, pedestrian/bicycle engineering safety initiative, mid-block crossing studies, and analyses for additional crossings at signalized intersections.

US 41/SR 45/Nebraska Avenue Median Modifications, Tampa, FL. *FDOT District 7.* Roadway Engineer. The purpose of this project is to provide urban corridor improvements to increase safety for all road users regardless of method of transportation. These include mid-block crossings at various locations, PHB's and RRFB's, refuge islands, lighting, sidewalks, intersection improvements, curb ramp upgrades, drainage improvements, and raised medians and curb bulb-outs. The mainline roadway is an urban minor arterial from MP 0.0 to 3.165 and an urban principal arterial from MP 3.165 to 5.409 on the SHS. The improvements start at Kennedy Boulevard extending north to just short of East Arctic Avenue.

SR 50 Bypass from Buck Hope Road to Jefferson Street, Hernando County, FL. *FDOT District 7.* Roadway Engineer. Mr. Wilson was the traffic designer for the lighting plans on this roadway widening project. This project involved widening SR 50 to the inside from west of Buck Hope Road to west of Jefferson Street. JMT designed a new lighting system for the roadway that included standalone fixtures and joint-use fixtures that are to be installed by the power company. Enhanced lighting criteria was used at each signalized intersection for added pedestrian safety. JMT also designed four signal supports to replace the existing supports. All

four of the signals were box-span structures across a six-lane divided roadway.

Professional Engineering Services for Traffic and Road Safety, Tampa, FL. *Hillsborough County, FL.* Roadway Engineer. JMT was selected to provide studies and design for traffic safety and operations for roads and streets under this contract for Hillsborough County. Recent tasks performed throughout the County include signal warrant studies, network safety studies, pedestrian crossing studies, pedestrian crosswalk signal designs, temporary traffic control plans, and lighting Studies.

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

Miscellaneous Professional Services for Bicycle and Pedestrians, Tampa, FL. *Hillsborough County, FL.* Roadway Engineer. JMT was selected to provide Hillsborough County with bicycle and pedestrian related support including the design of multi-use trails, sidewalks, and bicycle lanes, as well as safety improvements identified through the Safe Routes to School program. These improvements include shoulder widening and the installation of sidewalks near schools.

CCNA Intersection Projects. *Hillsborough County, FL.* Roadway Engineer. JMT is providing survey; data collection; traffic operation studies; roadway, drainage, signing and pavement marking, and signalization design; environmental permitting; and post design services for this contract. The purpose of this project is to comprehensively evaluate multiple intersections and document information necessary to reach a decision on the feasibility, operations, and conceptual design that will meet the goals of the Vision Statement. Six intersections were evaluated through the PER process: Bearss Avenue at Florida Avenue; Bearss Avenue at Zambito Road; Ehrlich Road at Hutchison Road; Himes Avenue at Idlewild Avenue; Himes Avenue at Busch Boulevard; and Himes Avenue at Waters Avenue. Three were selected to move to design: Bearss Avenue at Florida Avenue; Himes Avenue at Busch Boulevard; and Himes Avenue at Waters Avenue. JMT is providing design services to widen the roadway for a dedicated right turn lane on the southwest leg of the intersection which provides for an additional through lane at the intersection. This will allow more traffic to flow eastbound through the intersection during each cycle.

City of Tampa Design – Continuing, Tampa, FL. *FDOT District 7.* Roadway Engineer. JMT was selected to provide design services for the City of Tampa on this Continuing Services contract through FDOT District 7. Individual work orders will identify the design

1 | Jameson Wilson, PE – Maintenance of Traffic



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

Stormwater – Professional Engineering Services. *Pinellas County, FL.* Roadway Engineer. JMT was selected to provide Stormwater – Professional Engineering Services to Pinellas County. JMT is working on a Preliminary Engineering Report (PER) to determine the causes of frequent flooding and pavement deterioration within an approximately 20-acre subdivision (Curtis Drive Stormwater Improvement). This project includes Watershed Model Updates to the County Allen's Creek ICPR modeling, drainage investigations, environmental evaluation, Roadway LOS determination, Drainage Design, Roadway Design, Plans Preparation, BMP Water Quality Analysis and Public Outreach. The final report will contain alternative solutions to resolve the concerns and include recommendations for environmental improvements and green infrastructure. JMT was also tasked with assisting the County in collecting and assimilating geographic information systems (GIS) data to support the vulnerability assessment for Critical and Regionally Significant Asset Inventory, Topographic information and flood scenario-related data is included. Additional data is also being collected to support the County Flood Vulnerability Map. JMT generated a Critical Asset Geodatabase meeting the Resilient Florida Planning Grants GIS Data Standards and the project team is creating a web application to provide end users with Guidance for incorporating Sea Level Rise into Capital Planning in Pinellas County.

Continuing Engineering Professional Services – Federal Funds. *Pinellas County, FL.* Roadway Engineer. JMT was selected as a consultant for Pinellas County's Continuing Engineering Professional Services contract, which spans five years. Recent tasks include the 119th Street Sidewalks project and 134th Avenue North from Pine Street to Trotter Road Sidewalks project. Both projects consist of sidewalk improvements that include designing ADA-compliant sidewalks, curb ramps, and driveways within Pinellas County, Florida.

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

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

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





Dan Dan Zhao, PE

BIDDING & PROPOSAL EVALUATION | COST ESTIMATES & SPECIFICATIONS | UTILITY/RAIL TRANSIT COORDINATION **EDUCATION** BS, Civil Engineering, Florida State University, 2010 REGISTRATION Professional Engineer: FL 82464 **CERTIFICATION/TRAINING** FDOT Advanced Temporary Traffic Control (TTC/MOT): 21677 Final Estimates Levels 1 & 2 QC Manager Earthwork Levels 1 & 2 Asphalt Paving Levels 1 & 2 Critical Structures ACI Concrete Tech. Level 1 FDOT Concrete Field Technician level 1 IMSA Traffic Signal Inspector Level 1 Nuclear Radiation Safety Certificate HAZMAT Certification OpenRoads Design / 3D Modeling **YEARS OF EXPERIENCE**

12

Over the past 12 years, Ms. Zhao's experience in the FDOT CEI and design fields has progressed from Inspector to Contract Support Specialist to Project Engineer on FDOT projects in Districts 1, 4, and 6. Her cross-functional/multi-disciplined background can be attributed to her excellence in organization, planning, and attention to detail in conjunction with her strong written, oral, and technical communication skills. Ms. Zhao is experienced in industry software that includes OpenRoads design, 3D modeling, and BlueBeam Revu among others. Her design and production experience includes the development of roadway plans, traffic control plans, signing and pavement marking plans, utility coordination, and technical reports/packages. Her abilities have constantly exceeded the Department's expectations as she continually strives to exceed the needs of our clients in the pursuit of quality deliverables. She establishes high expectations for her performance as well as that of the Team.

FDOT District 4 Continuing Service for Project Design, *FDOT District 4*. Project Manager. This contract is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Tasks include five roadway improvement projects in Martin County, as well as resurfacing and bridge rehabilitation projects.

SR 5/US-1 from South of Atlantic Boulevard to North of Sample Road, Broward County, FL. *FDOT District 4.* Project Manager. The purpose of this RRR project (resurfacing, restoration, and rehabilitation) is to extend the service life of the existing pavement by milling and resurfacing the existing travel lanes. The proposed improvements include M&R (Milling & Resurfacing); removal of stamped asphalt at NE 2 St; implement ADA criteria at crosswalks, curb ramps/detectable warning surface, bus boarding areas, and driveways; evaluate buffered bike lanes; coordinate with local agencies for decorative features; install high emphasis crosswalks at signals; install green pavement markings at bike lane conflict areas; upgrade existing signs to comply with standards and replace damaged signs; upgrade substandard crosswalk signal features; add signal backplates; install Lead Pedestrian Interval (LPI) with LED blankout signs at Atlantic Boulevard and Sample Road; provide one signal head per lane at Copans Road and Sample Road.; install lighting retrofits at signals and on west side from NE 16 St to Copans Road; install new lighting on east side from NE 16 St to Copans Road.

SR 811/NE 4th Avenue/Wilton Drive (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL. *FDOT District 4.* Highway Engineer/Deputy Project Manager. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project along SR 811 within the Cities of Fort Lauderdale and Wilton Manors. The scope involved reducing the roadway from a 5-lane typical section to a 3-lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition, and irrigation improvements, and a Level 2 TTCP scheme that requires constant coordination with the municipalities, local businesses and the nearby Fort Lauderdale High School. Project was awarded **2020 FTBA Best in Construction for MOT** and **2020 FHWA National Roadway Safety Award**.

SR 838/Sunrise Boulevard from I-95 to SR 5/US 1, Broward County, FL. *FDOT District 4*. Highway Engineer. JMT was selected by FDOT District 4 to perform milling and resurfacing for the existing pavement on Sunrise Boulevard in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. The improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection of NW 13th Avenue; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks).

SR 80/Southern Boulevard Ramps and SR 7/US 441, Palm Beach County, FL. *FDOT District 4.* Highway Engineer. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR 7/US 441 and the SR 80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the East Bound and West Bound SR 80 ramps



and dual right turns on North Bound and South Bound SR 7. The project includes widening of the C-51 bridges, signalization, lighting, and drainage improvements.

Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 (Off-System), Broward County, FL. *FDOT District 4 (Protean Design Group).* Traffic Control Engineer. This project involves the reconstruction of Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 to accommodate 11 lanes, 5-ft bike lanes in each direction, and a sidewalk on the south side. Loxahatchee Road is an existing 2-lane rural section that is 6.2 miles long. Project challenges include accommodating three (3) round-a-bouts within the limited right-of-way, maintaining traffic during construction, and coordination between the various stakeholders (FDOT, City of Parkland, Broward County, and adjacent construction projects). Wetlands were delineated on Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441. Responsibilities include leading the design and production effort associated with a Level 2, phased-construction traffic control design, including phasing notes, typical sections, detour routes, and TCP plans.

SR 5/US 1/Roosevelt Bridge Re-striping from SW Joan Jefferson Way to NW Wright Boulevard, Martin County, FL. *FDOT District 4.* Project Engineer. JMT provided roadway, signing pavement marking, and signalization design for the restriping of the Roosevelt Bridge over the St. Lucie River on SR 5. In addition to providing buffered bicycle lanes, improvements also included upgrades to sidewalks and ADA ramps, and replacement of TMS sites.

SR 5 North of George Bush Boulevard to C-16 Canal, RRR Design Services, Palm Beach County, FL. *FDOT District 4.* Project Engineer. This RRR project included milling and resurfacing to extend the life of the pavement, ADA upgrades, signing, pavement markings, signalization, and safety improvements.

Turtle Creek Drive/NW 62nd Avenue from South of SR 834/Sample Road to SR 7/US 441 (Off-System), Broward County, FL. *FDOT District 4 (KCI Technologies, Inc.).* Project Engineer. This project involved minor roadway widening in north-central Broward County, FL, within the cities of Margate and Coral Springs to create designated bicycle lanes along Turtle Creek Drive from south of Sample Road to SR 7; sidewalk and ADA ramp replacement; and resurfacing and re-striping of the four-lane divided travel way. JMT's scope included TTCP and utility coordination.

SR 9336 / SW 344th Street/Palm Drive 3R and Shared-Use Path from SW 192nd Avenue to W of SR 5/US-1, Miami-Dade County, FL. *FDOT District 6.* Highway Engineer/Deputy Project Manager. Within the project limits, SR 9336/SW 344 Street is a 1.8-mile arterial corridor, which begins as a two-lane, two-way roadway that transitions to an urban, divided four-lane section within the City of Florida City and provides access to US-1 and the nearby Florida's Turnpike, Florida City Hall, the South Dade Transitway Corridor, the well-known Robert-is-Here fruit stand and other farmer's markets, and the Everglades National Park. The scope of this 3R project with safety improvements includes milling and resurfacing the travelway, addition of paved shoulders in the rural segment between SW 192nd Avenue and NW/SW 6th Avenue, installation of a 12'-wide shared-use path from SW 188th Avenue to NW/SW 6th Avenue which continues to a widened 10'-wide sidewalk along the urban segment from SW/NW 6th Avenue to SR 5/US 1, on-street parking, and upgrades to sidewalks/ADA ramps, bus stops, signing and pavement markings, signalization, lighting, and landscaping. The project involved extensive coordination with the City and Miami-Dade County for off-system agreements to construct the shared-use path and to install geometric and safety upgrades at the intersection of SW/NW 6th Avenue, and to provide special elephant markings at the busway.

SR 826/Sunny Isles Boulevard from NE 35th Avenue to SR A1A/Collins Avenue, Miami-Dade County, FL. *FDOT District 6.* Highway Engineer for this 3R project with safety improvements within an urban segment of SR 826 in the City of Sunny Isles Beach, FL. The project proposes to mill and resurface the bifurcated segment of SR 826 from east of the Intracoastal Waterway to SR A1A, including all inner and outer loop ramps; the scope includes reconstruction of substandard pedestrian ramps, upgrading/installing guardrail and end treatments, signing and pavement markings, signalization improvements (new mast arm at NE 35 Avenue and new pedestrian features at mid-block crossing on EB SR 826), and safety enhancements at N Bay Road and several ramps to reduce crashes.

SR 5/US 1/South Dixie Highway from north of SW 80th Street to south of Riviera Avenue, Miami, FL. *FDOT District 6 (Civil Works, Inc.).* Traffic Control Engineer. This project aims to restore, resurface, and rehabilitate the existing pavement along the SR 5 corridor between SW 80 Street and Riviera Drive in the cities of Coral Gables and South Miami. Additional improvements include upgrading existing signing and pavement markings, upgrading existing signalization features including mast arm replacement, replacement of deficient roadside safety hardware (ex. guardrails and barrier walls) and bridge repairs, and replacing deficient sidewalk and curb ramps to meet ADA guidelines. In addition, JMT provided structural engineering design services, including mast arm analysis, designed new barrier walls and foundations to protect overhead ITS structures, guardrail-to-bridge anchorage/traffic railing replacement, and bridge joint replacement. JMT also developed temporary traffic control plans with pedestrian detours and designed traffic monitoring sites.

SR 990 Killian Drive SW 97th Avenue to US 1, Miami-Dade County, FL. *FDOT District 6.* Traffic Control Engineer for this high-profile resurfacing, restoring, and rehabilitating (RRR) project involving milling and resurfacing of a four-mile section of a highly trafficked urban corridor, as well as signalization improvements at seven intersections, upgrades to signing and pavement markings, transit improvements, ADA upgrades, and provisions for uninterrupted bicycle lanes. Other project-specific issues included mitigating for hazardous vertical dropoffs at canal culvert end walls, reconstruction of curb ramps at side street connections to eliminate ponding areas, addressing drainage pipe and inlet settling, and providing additional lighting to improve safety at signalized intersections.

2 | Dan Dan Zhao, PE - Bidding & Proposal Evaluation | Cost Estimates & Secifications | Utility/RailTransit Coordination





Key Qualifications

David P. Andre has more than 30 years of experience in the Geotechnical Engineering, Materials Testing and Environmental Consulting field. David gained extensive and varied experience during his employment with an international Geotechnical and Environmental Consulting firm (Ardaman & Associates, Inc.), where he was Branch Manager for operations in the St. Lucie County office from 2000 through 2006. In addition to managing a staff of 20 engineers, environmental scientists, field and laboratory technicians and administrative personnel, David was responsible for all regional environmental and geotechnical engineering projects as well as construction materials testing services, and oversaw all office operations, including proposal preparation, report review and public sector contract management. David then co-founded AACE in 2006.

Project Experience

David has served as Project Engineer for the development of recommendations for site preparation and foundation design for projects throughout Southeast Florida including numerous publicly and privately owned structures, bridges, utility installations, STAs and more. Throughout his career, including during periods of previous employment, he has served as senior geotechnical consultant on numerous roadways and intersection improvement projects, including the following:

• <u>Kings Highway & Picos Rd. Improvements, St. Lucie County (FIN 230256-6-52-01)</u> David is AACE's project manager for VT laboratory testing services for this St. Lucie County FDOT project. AACE's services included LBR and Proctor testing, compressive strength of concrete determinations, organic content testing, Atterberg limits and grain size distribution testing.

• <u>CPSL Anthony Sansone Boulevard Phase 3, Port St. Lucie, St. Lucie County</u> David is AACE's project manager during construction materials testing associated with the construction of this 1-mile roadway through former grove land in Tradition. AACE's services included density testing, demucking inspections, LBR and Proctor testing, compressive strength of concrete determinations, organic content testing and Atterberg limits.

- <u>I-95/SR76 Interchange Improvements, Martin County (FIN 429786-1-58-01)</u> David was AACE's project manager (QC) during construction materials testing associated with interchange improvements at SR76 (Kanner Highway) and Interstate 95. Services that AACE provided included density testing for roadway widening and drainage installations, sheet pile installation monitoring, paving inspections and concrete testing.
- <u>66th Ave. Widening, from 49th Street to 69th Street, Indian River County (FIN 436379-2-54-01)</u> David is AACE's project manager (VT) during construction materials testing associated with the improvements to widening of 66th Avenue for an approximate distance of 2.5 miles. AACE's services include LBR and Proctor testing, compressive strength of concrete determinations, organic content testing, Atterberg limits and grain size.
- Village Parkway, from Becker Road to Tradition Parkway, St. Lucie County, Florida

AACE was retained by the City of Port St. Lucie to perform subsurface explorations and inspection/materials testing services during the construction of this proposed 6-lane, 4-mile roadway and associated utility improvements. David coordinated the performance of over 100 hand auger borings for the proposed roadways, and numerous SPT borings for proposed mast arm signal poles and retention ponds. Due to the presence of shallow and variable, compressible clay soils combined with the significant quantity of embankment needed to raise the roadway to grade, settlement calculations revealed the potential for significant roadway settlements. Therefore, AACE's engineering staff designed and implemented a surcharge program for the project that was designed to address selected portions of the corridor.

- <u>Murphy Road Resurfacing, from County Line to Matheson Ave., Martin County (FIN 433069-1-54-01)</u> David was AACE's project manager (QC) during construction materials testing associated with the resurfacing of Mapp Road for a distance of approximately 2.5 miles. AACE's services included storm drainage density testing, paving inspections, LBR and Proctor testing, compressive strength of concrete determinations, and asphalt testing.
- <u>County Road A1A/Dixie Highway Resurfacing, from Jefferson St. to Indian St., Martin County (FIN 438072-1-54-01)</u> David is AACE's project manager (QC) during construction materials testing associated with the resurfacing of CRA1A for a distance of approximately 1 mile. AACE's services included density testing, paving inspections, LBR and Proctor testing, compressive strength of concrete determinations, and asphalt testing.
- Oleander Sidewalk Construction and Drainage Improvements, from Midway Road to Market Avenue, St. Lucie County (FIN 441566-1-58-01)

David is currently AACE's project manager (QC) on behalf of St. Lucie County during construction materials testing associated with the construction of approximately 1.5 miles of sidewalk as well as various drainage improvements. AACE's services included sidewalk subgrade and storm drainage density testing, LBR and Proctor testing, compressive strength of concrete determinations, and asphalt testing.

- <u>CRA1A and SE Florida Street Sidewalk Construction and Road Resurfacing, Stuart, Martin County (FIN 441567-1-58-01)</u> David was AACE's project manager (QC) on behalf of the City of Stuart County during construction materials testing associated with the construction of approximately 0.5 miles of sidewalk as well as roadway resurfacing. AACE's services included sidewalk subgrade density testing, LBR and Proctor testing, compressive strength of concrete determinations, and asphalt testing (in the field and at the plant).
- <u>Britt Road Bridge Replacement, Martin County (FIN 437692-1-54-01)</u> David was AACE's project manager (VT) during construction materials testing associated with the replacement of this vehicular bridge over a tributary of the North Fork of the St. Lucie River. AACE's services included LBR and Proctor testing, compressive strength of concrete determinations, organic content testing, Atterberg limits and grain size.
- <u>C.R. 609 Resurfacing & Guard Rail Improvements, Martin County (FIN 438343-1-58-01)</u> David was AACE's project manager (QC) during construction materials testing associated with the widening of CR609 for a distance of approximately 2.5 miles. AACE's services included embankment density testing, paving inspections, LBR and Proctor testing, compressive strength of concrete determinations, and asphalt testing.
- <u>43rd Ave. and SR60 Improvements, Indian River County (FIN 431759-2-54-01)</u> David is AACE's project manager (VT) during construction materials testing associated with the improvements to 43rd Ave. specifically the intersection with SR60. AACE's services include LBR and Proctor testing, compressive strength of concrete determinations, organic content testing, Atterberg limits and grain size.

Education

- Bachelor of Science, Environmental Engineering, University of Florida, 1993
- Post Graduate Geotechnical Engineering Courses, University of Central Florida, 1997

Professional Registrations

• Professional Engineer (Civil), State of Florida Registration No. 53969

Kenneth T. Glass, PSM



SUR Chief Surveyor

40 Total Years of Experience | 25 Years with CivilSurv

Mr. Glass is a multi-faceted surveying and mapping professional with over 40 years of experience. As the Vice President of Surveying and Mapping Division he has been responsible for managing a team of eight field crews and seven office staff. His expertise includes providing all aspects of survey services required for a wide range of transportation projects. He has been responsible for the production of Florida Department of Transportation Design and Right-of-Way Mapping Surveys for minor design projects such as sidewalk and trails to major interstate design projects. Mr. Glass has experience producing survey products required for multiple types of municipal projects for utility infrastructure expansion, roadway, drainage and building design. In addition to design survey projects, he and his team have completed both Southwest and South Florida Water Management District projects. His team provides subsurface utility exploration services and uses the latest equipment and techniques including terrestrial LiDAR, UAS Mapping to efficiently complete survey and mapping projects.

Project Experience

Project Manager | District Wide Survey and Right of Way Mapping | FDOT District One | 1993 to Present | \$1.5 million: Mr. Glass was a project manager for these contracts for the seven years and has been the client liaison and overall project manager for this task work order contract. He has prepared scopes, negotiated project budgets, scheduled sub-consultant activities and has been responsible for QA/QC of both design and right of way surveys.

Client PM: Ryan Kuhn, PSM | Phone: (863) 519-2337 | Contract Value: \$1.5 million

Project Surveyor | FP 237592-2 SR5 (US-1) from Pine Street to Cidco Road | FDOT District Five | Brevard County, Florida | 2018 | \$173,447: Mr. Glass and CivilSurv prepared the Right-of-Way Monumentation Maps for this 6-mile section of US-1 in Brevard County. They were responsible for establishing the alignment and setting the right of way monuments and preparing the final Monumentation Map, filed in the Brevard County Clerk's Office.

Client PM: Nick Campanile | Phone: (386) 943-5115 | Contract Value: \$173,447

Project Surveyor | FP 242484-7 I-4 Beyond the Ultimate Section 2 | FDOT District Five | Orange County, Florida | 2018 | \$286,485: This project was completed with CH2M Hill to prepare the Design Build Bid Package for the heavily congested section of the theme parks area of Interstate 4. Mr. Glass and CivilSurv completed the vertical control, drainage surveys, and right-of-way mapping for this section of I-4 that started at SR 528 and ended at SR 435 (Kirkman Road) in Orange County.

Client PM: Scott Bear - CH2M Hill | Phone: (407) 650-2129 | Contract Value: \$286,485

Project Manager | West Contract District Wide Survey and Right of Way Mapping | FDOT Turnpike Enterprise District | 2018 to Present | \$1.5 million: Mr. Glass is the client liaison and overall project manager for this task work order driven contract. He has prepared scopes, negotiated project budgets, scheduled sub-consultant activities and has been responsible for QA/QC of both design and right of way surveys.

Client PM: Gary Roche | Phone: (407) 264-3637 | Contract Value: \$1.5 million

Surveyor of Record | West Landover Sidewalk | Hernando County Board of County Commissioners | Spring Hill, Florida | 2021 | \$39,222: This project involved the design of 1.2 miles of new sidewalk along Landover Boulevard from Northcliffe Road to Elgin Boulevard. The County contracted with CivilSurv to complete the design survey utilizing UAS (drone) and photogrammetric mapping methods. CivilSurv's survey deliverable was used by the County's Engineering Department as the basis for design of the new sidewalk.

County PM: Scott E Nelson – Hernando County Public Works | Phone: (352) 540-6570 | Contract Value: \$39,222

Surveyor of Record | Old Northeast Infrastructure | City of St. Petersburg | St. Petersburg, Florida | 2021 to Present | \$340,360: This project is for the design and upgrading of the water service and



Expertise

- Surveying & Mapping
- Project Management

Education

 BS / Surveying & Mapping / University of Florida / With Honors

<u>Licenses /</u> <u>Certifications</u>

 Professional Surveyor & Mapper FL# LS5713

Affiliations

- FL Surveying & Mapping Society (President, 2012-2013, President Elect 2011-2012, Treasurer 2008-2010)
- Ridge Chapter of the Florida Surveying & Mapping Society (President, 2001-2002, Vice President 2000-2001
- Former member of the FDOT Survey Technical Advisory Committee



improving the drainage system in the area. Much of the existing infrastructure in this area dates back to the early 1900s. Due to its age and other considerations, the existing infrastructure is antiquated and in need of replacement. CivilSurv established the horizontal and vertical control, collected topographic and storm sewer information, and recovered the existing right of way. The survey will be used as the basis for design of infrastructure improvements.

City PM: Michael Perry, P.E – City of St. Petersburg Public Works | Phone: (727-893-7759) | Contract Value: \$340,360

Surveyor of Record | Five Points Roundabout | City of Lakeland | Lakeland, Florida | 2022 to Present | \$21,556: This project involved the design of a new roundabout at the intersection of Lake Beulah Drive, Sloan Avenue, and West Main Street in Lakeland, Florida. The project will serve as a gateway to the City's Downtown West area and improve access to Bonnet Springs Park. CivilSurv's responsibilities for the project included SUE Level A utility locates.

Client PM: Gordon Greene, PE – Patel, Greene & Associates | Phone: (863) 533-7317 x201 | Contract Value: \$21,556

Surveyor of Record | Tyler Street Stormwater Improvements | City of Plant City | Plant City, Florida | 2022 | \$16,500: This CDBG funded project involved the design of new sidewalks and stormwater improvements in three areas of Plant City: West Spencer Street; West Warren Street; and Dr. Martin Luther King Jr. Boulevard. As a subconsultant to Patel, Greene and Associates, CivilSurv provided 3D survey data, alignments and exiting right of ways to serve as the basis for infrastructure improvement construction plans.

Client PM – Joseph M. Lauk, PE – Patel, Greene and Associates | Phone: (863) 533-7317, Ext. 203 | Contract Value: \$16,500

Surveyor of Record | Memorial Drive Multi-Use Trail | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to Present | \$150,000: This project involved the design of 1.4-miles of a new 8-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The drainage system design concept for the project involved the utilization of existing drainage infrastructure, where possible. This innovative approach required the use of multiple typical cross sections throughout the project and resulted in significant reductions to the overall project costs. The project was performed under a Local Agency Program (LAP) project agreement between FDOT and Highlands County. Responsibilities included topographic survey.

Surveyor of Record | West Lake Jackson Stormwater Improvements, Phase I | City of Sebring | Sebring, Florida | 2020 to Present | \$200,000: The initial phase of the project involved the evaluation of existing drainage infrastructure at 28 outfall locations, existing sanitary sewer, and pavement along approximately 2.7-miles of SW Lakeview Drive. The existing drainage system was generally found to be substandard and conceptual improvements were proposed. These conceptual improvements addressed water quality improvements prior to discharging to Lake Jackson. The existing wastewater system deficiencies included inflow and infiltration issues that were, in many cases, evident in the pavement surrounding manholes. Conceptual improvements to the wastewater system and roadway were also proposed as part of the study. This project involved funding application support services for a State Revolving Fund (SRF) loan from the Florida Department of Environmental Protection (FDEP). Responsibilities included topographic survey.

Surveyor of Record | Webster Turn Drive Reconstruction & Rehabilitation | Sebring Airport Authority | Sebring, Florida | 2021 to Present | \$132,546: This project involved the design for reconstruction and, in certain areas, repair of existing pavement along the 0.7-mile 2-lane rural roadway section within the airport district. Existing stormwater pipes crossing under Webster Turn Drive were evaluated for rehabilitation or replacement needs. Services included utility coordination, SFWMD Environmental Resource Permit modification, and bid phase assistance. Responsibilities included topographic survey.

Project Manager | City of Plant City Reclaimed Waterline | City of Plant City | Plant City, Florida | 2020 | \$35,500: Mr. Glass was the survey and mapping project manager for this 2.5-mile reclaimed water line design project being designed by Hydro Solutions, Inc. CivilSurv completed the survey data collection, mapping of the exiting right of way and sub-surface utility locates and designates through the route in historic Plant City, Florida.

Client PM: Matt O'Connor, PE – Hydro Solutions | Phone: (813) 382-0995 | Contract Value: \$35,500

Project Manager | City of Winter Haven Avenue K Sidewalk from South Lake Silver Drive to Martha Drive | City of Winter Haven | Winter Haven, Florida | 2020 | \$14,340: Mr. Glass was the survey and mapping project manager for this major project that involved the design of half a mile of new sidewalk along Avenue K NE in Winter Haven. The sidewalk project was required to connect the Winter Haven campus of Polk Community College to the sidewalks around Lake Silver. The project was completed as a sub-consultant to Kimley Horn and Associates. Mr. Glass managed the survey data collection, mapping of the exiting right of way, sub-surface utility locates and designates along with production of the required utility easement legal descriptions.

Client PM – Michael Donahue – Kimley Horn | Phone: (941) 379-7602 | Contract Value: \$14,340



	Aaron Wilbur, PLA Project Landscape Architect, Project Manager, Partner 15 Years of Experience, 9 Years Post Registration 561.406.1011 E-Mail: awilbur@cotleur-hearing.com 1934 Commerce Lane, Suite 1, Jupiter, Florida 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 all types of transportation landscape architecture projects, including both roadway component and standalone landscape projects for state, county, and local roadways. 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 an expertise in FDOT project management as well as the digital delivery and phase submittal processes. He has successfully delivered numerous projects to FDOT and numerous local agencies 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.
Licensure	State of Florida Registered Landscape Architect #LA6667229 (2015)
Work History	2015 - Present: Registered Landscape Architect (2019: Partner, 2023: Transportation Manager); Cotleur & Hearing 2013 - 2015: Landscape Designer; Cotleur & Hearing 2009: Lead Designer and Project Manager; Cottage Gardens
Notable Projects	Continuing Services Contract for Landscape Architecture Design and Production – FDOT District 4 Reference: Kaylee Kildare, 954-777-4219 Mr. Wilbur is the Prime Consultant Contract and Project Manager for the CA239 (Completed 2023) 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. Mr. Wilbur utilizes his expert project knowledge to aide FDOT in the regular improvement of their standards, manuals, and guidelines. Notable projects currently in various phases of construction or production include I-95 at Fellsmere Rd (446040-1), I- 95 at High Meadows Ave (441318-1), I-95 from Sunrise to SW 10 th (433108-7), SR 713 Kings Highway North/South (230256-8, 438041-1), I-95 at Spanish River/Yamato Rd. (444344-1), SR 76 Kanner Highway (446033-1), I-95 at SR 70 (449811-1), I-95 at Donald Ross Rd (449255-1), I-95 at St Lucie West (444336-1), I-95 from Okeechobee Blvd to Indiantown Rd (452292-1), and I-95 at Sample Rd (444404-1). Mr. Wilbur is also the lead landscape inspector for the construction administration (PDS) phases for all projects. <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 all 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.

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

Reference: Vandana Nagole, 954-777-4281

Mr. Wilbur is the project manager/contract for the highly complex I-75 Alligator Alley Environmental Education Project, which includes major site reconstruction to build an education center complete with multi-level boardwalks, a 40' observation tower, functioning wetland exhibits, arboretum, dog park, multi-use recreation field, multiple unique hardscape plazas, art/sculptures, seating, shelters, and a complete educational signage component. Mr. Wilbur played a key role leading the design, plan preparation, and construction administration phases. Despite additional last-minute scope changes by the Department, Mr. Wilbur was able to fast-track all revisions to successfully deliver the project on time to ensure project schedules are met. This project is the most unique landscape project in the D4.

I-95 Express (Phases 3A-1, 3A-2, 3B-1, 3B-2, 3C) - FDOT District 4

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 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 (437846-1) - 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.

<u>SR 7 Widening Standalone Landscape Project; S.R. 7., Miramar, West Park and Hollywood, FL – FDOT District 4</u> Reference: July Jimenez, 954-777-4415

As a part of the SR 7 widening, this complete street 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 requiring Mr. Wilbur to complete extensive coordination with multiple agencies while completing 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.

City of Port St. Lucie Gateway and City Signage Project: City of Port St. Lucie Public Works

Reference: John Dunton / Shereese Snagg (Public Works Director / PSL PM), 772-871-5006

Mr. Wilbur was contracted by the City of Port St. Lucie to assist with their city-wide rebranding efforts. Utilizing the City's new logo, Mr. Wilbur and Cotleur & Hearing's skilled landscape and graphic designers created a full conceptual signage package including 3 unique styles of gateway city welcome signs to be used throughout the city limits. The team utilized these large-scale artistic monuments to create a signage package that includes digital signs, park signs, neighborhood signs, building ID signs, site ID signs, and several combination signs. Conceptual cost estimation was provided for the gateway signs as well as site-specific, photo-realistic renderings of the signs for multiple sites.

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 leading the project's design, plan preparation, and construction administration phases.

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

Reference: Thomas Hernandez (Director of Engineering and Public Works), 561-741-2680

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 design, construction, and establishment phase of the project.





Through our team's recent experience on thousands of task-work-order (TWO) assignments on 100+ Continuing Services Contracts for over 70 municipalities and counties in Florida, the JMT Team has gained an extensive understanding of delivering TWO assignments.

| Innovative Approach

Distinctive Approach to New Projects

Transportation and Traffic Engineering | The JMT Team recognizes this is an "open use" contract in which our team may be working on concurrent assignments that may include planning, designing, permitting, bidding, and construction administration phases of services in connection with transportation infrastructure. Additionally, we may be tasked with:

- Performing studies and surveys, data collection, and providing overall planning objectives for comprehensive development and continuing operations remaining consistent with the governing documents of the City of Port St. Lucie (COPSL) including the Mobility Plan 2045, the Multimodal Plan, the Comprehensive Plan, and the Strategic Plan, as well as the Engineering Standards and long-range CIP.
- Assisting in traffic related activities for engineering, planning, surveying, architecture, landscape architecture and traffic management, including operations, finance, forecasting and project development for multimodal circumstances, including asneeded rail coordination.
- Reviewing traffic calming requests in accordance with the City's Traffic Calming Policy and make recommendations.
- Designing traffic calming projects in a comprehensive manner, incorporating all affected roadways, using the Manual of Uniform Traffic Control Devices (MUTCD).
- Performing corridor evaluation and planning for traffic-controlled operations. i.e. adaptive, synchronized, preemption and timebased coordination plans, etc.
- Designing and developing plans for traffic signals and fiber connectivity.
- Designing and developing plans for pedestrian/bicycle roadway crossings and treatment recommendations.
- Assisting in the preparation and approval process of all required permits through the appropriate local, State, and federal agencies.
- Assisting in the preparation and presentation of reports and studies to appropriate local, State, federal and public agencies and civic and business groups as requested.
- Providing engineering cost estimates for traffic related construction and operational activities as needed.
- Preparing traffic studies and feasibility studies, as needed, for new infrastructure improvements, retrofitting of existing facilities for safety, enhanced multimodal or mobility features, etc.
- Providing survey, geotechnical, design and construction management services as needed for projects, including, but not limited to, intersection improvements, drainage modifications, driveway and culvert replacement, utility relocations, roadway, and sidewalk improvement, electrical and landscaping, bulkheads, and equipment and other related improvements, in accordance with FDOT (ex. FDOT Design Manual, Florida Greenbook, etc.), the City's Engineering Standards for Land Development, and AASHTO criteria.
- Evaluating proposals and projects submitted by private parties that may impact traffic operations and/improvements.
- Providing support during the bidding, award, and construction phases of each project, as needed, to respond to requests for information etc.
- Providing environmental assessments, studies, analyses, and other related services.
- Assisting in the preparation of grant applications and assisting in the approval process as requested.
- Evaluating traffic patterns and preparing traffic impact reports as required.



- Providing planning and development impact assistance, including design and construction management for adjacent off-site infrastructure improvements.
- Providing coordination and assistance with public notification during either the design or the construction of the project or both.
- Providing post-design services, as needed, such as shop drawing reviews, responding to "requests for information" (RFIs), performing field reviews to assess construction-related concerns, provide real-time solutions and/or develop plan revisions, and attend status meetings with City and construction staff.

Our team is prequalified in relevant FDOT work groups (ex., WG 2, 3, 4, 6, 7, 8, 9, 10 and 15) that would be applicable to the types of projects administered under this contract. JMT has extensive experience on roadway, traffic, and bridge projects that involve milling and resurfacing, widening to add turn lanes, bridge widening and repairs/replacement, implementing intersection and drainage improvements, upgrading pedestrian ramps, adding new sidewalks, installing guardrail to shield roadside hazards, accommodating new midblock crossings, installing traffic calming measures (ex. roundabouts, speed tables, bulb-outs, etc.), upgrading signing and markings (S&PM), signalization upgrades, lighting upgrades/retrofits, or a combination of these elements with respect to improving safety and/or mobility, including "hot button" issues such as wrong-way driving countermeasures, SMART work zone management, dynamic railroad envelopes, DMS installation on arterial corridors, specs updates, cost estimates, and emergency relief after a natural disaster event. **JMT has six Roadway Safety Professionals (RSP1) in Florida** available to work on this contract. JMT is intimately familiar with ongoing safety issues encountered throughout the State and has specifically worked on high-crash corridors in South Florida to improve safety and mobility to "move the needle" on Florida's safety goals. Additionally, **JMT has three Envision Sustainability Professionals (ENV SP**), a globally recognized certification for professionals working on sustainable infrastructure; the Envision Framework is a widely accepted approach to sustainable, resilient, and equitable infrastructure.

APPROACH TO TWO IMPLEMENTATION: (1) Data collection – JMT will review all available project documents, including scope recommendations/reports, safety reviews and traffic data, as-built plans, ROW maps, pavement forecasts, crash data, and maintenance reports. (2) Maintaining agency coordination – JMT will contact local maintaining agencies (ex. St. Lucie County, Area Regional Transit, etc.) to solicit their concerns. This early coordination will allow us to develop more accurate budgets and prevent scope creep. (3) Initial field review(s) – JMT will perform site visits with aerials and existing surveys to confirm the project issues and identify additional concerns, including using our drone to take GIS-referenced HD images. We will also perform nighttime reviews to assess sign reflectivity and lighting, as well as wet-condition site visits to identify drainage concerns. (4) Meeting with City PM – We will convene with the City PM to discuss their expectations and review project scope/objectives/schedule. (5) Assign a Task Team – Based on the project scope and anticipated design effort, JMT will assign the TWO to one of our highly qualified Task Teams. (6) Develop fee and scope for the TWO. (7) Upon NTP, JMT will develop our Project Management Plan (PMP) to be adopted by the Task Team.

DESIGN APPROACH FOR A TYPICAL TRANSPORTATION PROJECT: (1) We will establish the relevant design criteria (ex. Florida Greenbook, FDOT, etc.), and then (2) conduct a field review to confirm deficiencies and determine solutions using our exclusive field conditions checklist, as well as our own **proprietary tablet software developed by JMT's Technology Group** to generate geo-referenced field notes, images, and videos that can be imported into KMZ files. (3) We conduct design surveys, reference as-built plans, and perform any necessary traffic data to begin developing a Typical Section Package and request pavement cores, 18-kip ESAL, and MR values to develop the Pavement Design Package. (4) Design Variations/Exceptions (DV/DE) – We will identify conditions that violate AASHTO and/or FDOT criteria and develop all DV/DE if required. (5) Sidewalks and curb ramps will be evaluated for ADA compliance. (6) S&PM will be evaluated; signs not meeting MUTCD, County, and FDOT standards will be replaced. (7) Drainage & Permitting - We will coordinate with the City to ensure maintenance-related drainage issues are resolved prior to construction to reduce costs. We will coordinate with the City to assess any required environmental permits and prepare the necessary forms. (8) Temporary Traffic Control Plans (TCP) – Resurfacing and sidewalk projects will typically have a Level I TCP; Level II TCP may be required for complex designs and widening, especially when TTCP cannot be performed with simple references to Standard FDOT indexes (ex. 102-600 series). TCP will accommodate all roadway users, including bicyclists and pedestrians. (9) Lighting – Damaged poles will be repaired/replaced as needed. Lighting upgrades/retrofits may be proposed at the traffic signals to address pedestrian upgrades (ex., realignment of/new crosswalks). Unmetered service points will be



upgraded to metered to comply with the FPL LT-1 tariff. (10) Signalization – We will coordinate with the St. Lucie County Road and Bridge Division (Traffic Section) to determine the need for mast arm and cabinet upgrades and coordinate signal service points. (11) Utility Coordination – JMT will develop preliminary plans for Utility Agency/Owner (UAO) markups and identify conflicts and areas for designates and test holes (SUE). We will review Utility Work Schedules and UWHC agreements, and review UAO permit packages that could impact proposed design features. (12) Public Engagement – JMT will provide a community awareness plan (CAP) that meets the needs of the assigned task and host/attend Public Workshops. (13) Post Design – We are cognizant of the urgency of construction and will expedite responses to RFIs and shop drawing submittals.

<u>APPROACH TO TRAFFIC OPERATIONS AND SAFETY ANALYSIS:</u> JMT specializes in performing traffic operational and safety analyses. We perform these services for all FDOT Districts, tolling agencies, and numerous municipalities throughout Florida. We understand the importance of producing an accurate study that identifies the proposed improvements along with the impacts to operations and safety.

- Data collection: Traffic studies typically begin with the data collection phase. We have staff dedicated to the collection of traffic data. We utilize handheld counters, pneumatic machine counters, and video (Miovision cameras) to collect the data. We are currently providing data collection services for FDOT District 4 under our "Continuing Services for LAP Projects" contract, and we recently assisted The Tampa-Hillsborough Expressway Authority with the collection of 24-hour approach counts at 14 locations along the Selmon Expressway and intersection turning movement counts in Downtown Tampa where we counted 80 intersections. In addition, JMT's experience includes the development of GIS based database tools to identify and prioritize locations based on safety or operational metrics. We have also used GIS tools to track fatal crash and high location reviews for several agencies. JMT's technology group is well acquainted with the development of GIS tools to assist with data collection, tracking, and prioritizing roadway improvements
- Traffic Analysis: For our traffic operational analyses we use Synchro/SimTraffic, Highway Capacity Software, SIDRA, or VISSIM, depending on the location and type of intersection control. For safety studies we collect crash data from the SignalFour Analytics, which contains a robust database of crash data that has been geographically located. We utilize this crash data to produce detailed collision diagrams and to find crash patterns that can be corrected with countermeasures. A benefit-cost analysis and net present value analysis is performed for each countermeasure to see if the cost reduction benefit outweighs the cost of the improvement. We also have the experience and expertise with the use of the Highway Safety Manual (HSM). The HSM is used to predict the number of crashes that are expected at a location based on the physical characteristics such as lane width, shoulder width, presence of lighting, etc. This is most useful in a situation where the future conditions will change due widening or other major changes to the typical section of a roadway.
- Traffic Studies: JMT has completed hundreds of Intersection Analyses, Signal Warrant Analyses, and Arterial Studies for agencies throughout Florida. JMT is also proficient with the tools needed to successfully complete these studies including the MUTCD, Highway Capacity Manual, Highway Safety Manual, FDOT Design Manual (FDM), Traffic Engineering Manual (TEM), Traffic Engineering Handbook, and FDOT Manual on Intersection Control Evaluation. Most recently, JMT has utilized the ICE procedures to evaluate roundabouts, R-Cuts, or displaced left turns on new construction, reconstruction, and safety improvement projects, and when more restrictive intersection control is proposed. JMT has a very talented group of traffic modeling experts in Florida and throughout the country with extensive experience in SIDRA, VISSIM, CORSIM, NETSIM, HCS, SYNCHRO and SimTraffic. The evaluation procedures have been applied to several intersections throughout the state that have resulted in the installation of several roundabouts to improve safety and operations
- **Pedestrian and Bicycle Safety:** One of the highest priorities in counties and cities throughout the state is the reduction of pedestrian and bicycle crashes. JMT supports the our clients in achieving this goal through performing pedestrian and bicycle data collection, safety studies, ADA studies and mid-block pedestrian crossing studies that evaluate the need to install a new crosswalk, traffic signal, High-intensity Activated CrossWalk (HAWK) beacon, or rectangular rapid flash beacons (RRFBs) at a specific location. JMT is intimately familiar with the requirements in Section 3.8 of the TEM, the treatments available and their



appropriate applications. JMT has been at the forefront of technologies available to assist with enhancing pedestrian safety, including the application of pedestrian-activated RRFBs within the Florida's beach communities, where the population is seasonal and tourist-based and pedestrian activity is high. JMT has developed efficient ways to collect pedestrian and bicycle count data using cameras and field personnel to not only count the movements but determine origin and destination. JMT has also successfully used STRAVA and Streetlight Data to supplement the data collection and ensure that enough data is gathered in order to make data driven decisions

- **Signalization:** Our signalization expertise includes the design of mast arm and span wire structures and typically includes safety features such as one signal head per lane, reflective backplates, internally illuminated street name signs, and pedestrian push button detectors and pedestrian signals. We are very familiar with the latest technologies available to use at signalizations, including single camera video detection and emergency vehicle preemption. In addition, we provide design services for communications including the use of fiber optic or wireless communications technology as interconnect for the signals. Our experiences have exposed the many challenges associated with signal design including designing within a constrained right-of-way, avoiding underground and above ground utilities, and the structural design needed to add features to existing signal structures.
- **Lighting:** Our designers utilize Visual Pro and AGI software to perform the lighting analysis. The Florida Design Manual criteria for horizontal and vertical illumination (for crosswalks) is used to ensure that the appropriate levels of lighting are provided. We then ensure that the pole placement is free from conflicts with underground and aboveground utilities or other physical constraints. JMT has experience with evaluating existing lighting levels, designing new lighting systems (ground mounted and barrier wall mounted), and modifying existing lighting systems. We have provided design services to move existing poles and/or luminaires and to replace existing fixtures with upgrades such as conversion to LED fixtures.

APPROACH TO PROJECT MANAGEMENT: At the onset of every assignment, JMT Project Manager Josh Baimel, PE, will develop a project schedule using MS Project software to set project milestones and identify activities on the "critical path" in order to ensure a timely delivery for all submittal documents. The schedule will consider the coordination and response times required with project stakeholders, including permitting agencies, utility owners, and any public meetings that may be necessary. Within two weeks of "notice-to-proceed" (NTP), we will provide the City with a Project Management and Quality Control plan that will include the project schedule, as well as a detailed description of our QA / QC process, timeline of QC reviews, and responsible QC personnel. Upon NTP, JMT will conduct field surveys as necessary to properly complete the design and construction drawings. JMT will efficiently use survey and existing information, engineering field reviews, aerial photography, etc., and will not perform full field surveys unless warranted.

When taking on any new transportation or traffic engineering assignment, JMT will immediately begin the process of understanding and refining the project scope, determining the applicable geometric / design criteria, assessing existing conditions, and identifying future improvement needs.

One of the first tasks is to collect engineering data relative to the proposed project and the surrounding area. Due to the time-consuming nature of data collection, one of the first duties is to obtain aerial photography and limited field survey data of the project. While the field survey is being completed, JMT will proceed with the collection of information regarding the existing conditions, including project characteristics, old construction plans, bridge inspection reports, historic traffic counts, existing utilities, existing Right-of-Way, crash data, and GIS databases. This data allows for a "desktop review" of existing conditions and can be supplemented by field verification as necessary. Other information, such as existing multi-modal characteristics, would be obtained and reviewed during this stage of development.

One of the end products of a comprehensive data collection effort may be a design study. This will document the purpose of and need for the proposed action based on area-wide and system-wide needs such as travel demand deficiencies, the need for additional capacity,



safety concerns, social and economic demands, local government agency desires, and consistency with City, County, State, and regional plans.

Following the identification of the purpose and need for improvement, the next step in the process is to develop conceptual design alternatives. This step is accomplished by first identifying the potential typical sections. Examples include urban, suburban, and rural sections with open or closed drainage systems, varying median widths, travel lane widths, border widths, and bicycle and pedestrian accommodations. These typical sections will be developed and documented in a Typical Section Report. We will establish those typical sections, which will continue into design; alternatives based on the approved typical will be assessed in terms of potential impacts and benefits to the project area and ability to satisfy project needs.

The alternatives will be developed based on the key design factors, such as:

- Traffic operations and level of service
- Consistency with local comprehensive plans
- Horizontal and vertical geometry
- Drainage requirements
- Safety
- Access management
- Right-of-Way requirements

• Potential relocations and business damages

- Environmental impacts
- Utilities
- Maintenance of traffic
- Constructability
- Improvement costs
- Cost-effectiveness

As these factors are analyzed and the impacts of each alternative are quantified, a comparative evaluation of the various alternatives will be conducted. This evaluation usually takes on the form of a matrix in which each of the determining factors is displayed for a side-by-side comparison. Based on this evaluation, the alternatives can be modified (i.e., shifting the alignment through sensitive or populated areas) and the comparative procedure repeated. This iterative process will continue until the optimal alternative is developed for a project.

We will evaluate soil conditions, backfill, compaction, and foundation requirements. We will investigate the presence of unsuitable material and develop a proper remediation plan as appropriate. Prior to any initial submittal, we will finalize the design criteria and ensure their appropriateness for the assignment.

Upon finalization of field surveys, data collection, utility identification, etc., the design will be performed, and construction drawings will be prepared. JMT has state-of-the-art CADD resources and the ability to quickly and efficiently share information using our firm's ProjectWise and SharePoint sites. JMT has been sought out by Bentley as part of their Premier Scholar Program to help improve their ORD software and our internal Design Center of Excellence provides corporate resources to assist with CADD related support.

The construction drawings will be submitted for review at appropriate stages of the project, usually 30%, 60%, and 90% completion levels. JMT will meet with City staff to review the project and make certain that the project objectives are satisfied. Upon resolution of all concerns, the design and construction drawings will be finalized. The final submittal will be signed, sealed and ready to become part of the construction contract documents. This submittal will include all utility clearances, permitting clearances, Right-of-Way clearances, project manual, detailed construction cost estimate, and the approved drawings and specifications.

The JMT Team includes public information (PI) staff specializing in public involvement campaigns. They provide media relations in both English and Spanish, marketing, graphics services, digital strategy, organization of business interests, grassroots door-to-door consensus building, and serve as a spokesperson for their clients. Our PI staff has established a proven record of developing and executing successful Public Involvement Programs (PIP) and Community Awareness Plans (CAP) for the Florida Department of Transportation (FDOT, Districts 1, 4, 5, 6, 7) and various MPO's, cities, and counties in the Treasure Coast and South Florida. With a focus on communication, strategic planning, media relations, crisis management and community awareness, their goal is to seamlessly integrate among the City's staff and maintain a proactive approach in outreach efforts while providing excellent customer service.



APPROACH TO GRANTS & LAP EXPERIENCE: LAP projects primarily utilize grant funding, as the "LAP" (Local Agency Program) is a mechanism for the City to access federal funds through a grant agreement, allowing the City to develop and construct transportation infrastructure projects using Federal-Aid Highway Program funds; essentially meaning that LAP projects are funded through grants provided by the FDOT. JMT is currently working with FDOT District 4 on a Continuing Services for LAP Projects contract and has previously performed LAP design for local municipalities. We are experienced with projects administered with State financial assistance programs (authorized by Florida Statutes), such as the County Incentive Grant Program (CIGP), Local Transportation Projects (LTP), and Transportation Regional Incentive Program (TRIP), as well as Federal-Aid Highway Programs (FAHP) such as FHWA Emergency Relief (ER) Program, Local Agency Program (LAP), Highway Safety Improvement Program (HSIP) and Safe Routes to School (SRT).

We fully understand local agency design standards and procurement challenges, including providing design plans and specifications and supporting engineering analyses in accordance with local agency policies, FDOT policies, and FDOT's LAP Manual. We are familiar with FDOT's LAP Manual and the Class A, B, C, and D classification types for LAP projects. These classifications define design criteria and standards (FDM or Florida Greenbook) and determine specifications (FDOT, LAP Big 4, or approved County specifications), as well as applicable material testing requirements for construction. We will prepare or obtain all LAP certifications (Utility, Environmental, Permitting, Railroad, and R/W), checklists, and specification packages according to federal requirements, including document management in the LAP Information Tool. We will review the boilerplate bid package and construction contracts for the project to ensure compliance and assist in the completion of the LAP Construction Checklist Form. Upon bidding, we will perform the bid analysis and provide recommendations to award.

Having worked closely with FDOT D4 and local agencies throughout South Florida, we are aware of the critical issues of the LAP program. We will invoice promptly and accurately, ensuring consistent financial activity on the project. We are aware that time, scope, and funding changes can be problematic for a LAP contract. Preparing accurate construction cost estimates is also imperative to identify and avoid funding issues. We understand the importance of designing around R/W acquisition and are very familiar with the Uniform Relocation Act that must be followed for R/W or easement acquisition.

Our proactive utility coordination with Utility Agencies avoids adverse schedule impacts, including potential railroad involvement. Our goal will be to reduce or eliminate environmental impacts. Public Involvement (PI) will be tailored to the specific project and the City's needs. We are prepared to lead or support the PI efforts, including information meetings or public hearings as applicable. We will review specifications and contracts, remove non-qualifying language, including local preferences, and resolve any proprietary items that may be non-qualifying federal reimbursement items.

APPROACH TO CONSTRUCTION ENGINEERING AND INSPECTION (CEI) SERVICES: CEI Services include, but are not limited to, contract administration, inspection, and materials sampling and testing. This requires engineering expertise in inspecting, planning, permitting, bidding, special inspector services, threshold inspector services, and construction administration services in connection with multi-discipline design, as well as knowledge of the Florida Building Code and the related current rules and regulations of local, state, and federal agencies and jurisdictions regulating the industry. JMT offers the City our local expertise, with eight employees located within the City of Port St. Lucie limits, and nine additional staff members located within Fort Pierce, Martin County and Indian River County. Over 50% of our CEI staff are within the Treasure Coast; and over 75% of our local Treasure Coast work/revenue is within the City limits.

Contract management includes an understanding of the overall City work program, selection of staff for each unique assignment, negotiations, quality assurance, funds management, invoice processing, etc. It is a critical piece of the puzzle when managing these TWO-driven continuing services contracts, particularly multiple assignments concurrently. Understanding the whole picture is essential to delivering the services the City's needs. JMT has had more than 15 TWO-driven CEI Contracts of similar scope. Over the years, JMT has consistently sought feedback from clients to improve our TWO administration process further and has implemented improvements that are fully compatible and complementary to the City's processes and protocols. JMT has a complete understanding of the TWO process and will effectively and proactively manage the process using the detailed 5-step approach below:



Step 1: Identity Task, Scope & Budget - We will meet with the City Project Manager for each assignment to develop/refine the project scope, determine personnel qualifications (including any specialty experience needed), estimate the number of staff, and estimate the budget. Collectively, they will determine if sharing resources is possible across other active or upcoming assignments.

Step 2: Write Task Work Order - From Step 1, JMT will prepare and submit a proposal with the Scope of Services and supporting Staffing Estimate for review and approval. Each assignment will have an estimated completion date to establish the assignment duration. TWO's will be negotiated based on a lump-sum or maximum not-to-exceed, or both, based on the best interest of the City.

Step 3: Identify the Right Personnel - Upon proposal approval from the City, JMT's PM will immediately notify our Team of the assignment and look to identify the candidates that best meet all the requirements for the assignment. Upon contract award and prior to any TWO requests, our PM will prepare a Projected Workload Calendar for the JMT Team, including subconsultant staff, that details personnel availability over an 18-month period. The Calendar will also include Partial Availability as some assignments may require reduced utilization from lower-level staff for short periods of time. JMT's PM will work with the City Project Manager to provide staff continuity and supplement the project with candidates with specialty experience if needed. Our Team discusses the assignments in advance of proposing staff to ensure there are no design conflicts or concerns that affect performance.

Step 4: Track Task Work Order – JMT's PM will regularly monitor the time and funds on the Contract (see Ability To Meet Schedule And Budget Requirements section). We will inform the City Project Manager when the TWO's funds are running low so that JMT can prepare a request for Amendment in sufficient time. We will routinely monitor budget burn rates and, within three months of the expected project completion, will increase the monitoring weekly through JMT's Power BI interface, even if sufficient funds are available. Part of tracking the assignment includes managing staff performance, which is discussed more in-depth in this section under Quality Assurance/Quality Control.

Step 5: Reconcile Task Work Order Funds - Upon completion of an assignment, JMT will confer with the City and the project staff to verify that the project can be closed. JMT's Contract Team will prepare a final invoice and provide the City with all project documents electronically. JMT's accountant will turn off all revenue recognition in our timesheet system so billing codes are correctly selected, and no additional billing can occur without the Project Manager's approval.

SITE INSPECTION: The **"boots on the ground"** staff are critical to the success of any project as they become the eyes and ears in the field. Our staff has an excellent reputation for being very detailed and proactive with site inspections. They understand the importance of contract documents, Specifications, and strict adherence to all contract notes and requirements. They are adept at bringing things to the Contractor's attention well in advance of that activity to ensure they are prepared. Our Team is exceptionally well-cross-trained to support all aspects of the contract. These attributes have been a massive advantage to the successful administration of our recent projects. Our Team understands that our site source documents become the written record of all project activities and are often referenced later for funding reimbursement, litigation, or claims analysis. We have a field-tested system of documenting daily activities and providing an email recap to all pertinent stakeholders. This gives everyone a quick snapshot of project progress and documents any delays or impacts that may not otherwise be captured. Our team will document pay item quantities and will work with the Contractor's superintendent on a weekly basis to reconcile work to date so that monthly payments can be processed seamlessly. Upon individual project completion, we will turn over a digital file to the City with all project records, including our daily site source documents, photos, and project-related correspondence.

Innovative Approach to Mitigating Design Issues and Implementing Cost Savings

JMT has a history of providing our clients with innovative approaches and solutions, providing cost savings solutions, and providing maximum value with our services. We also take great pride in providing our clients with the highest quality services on time and within budget. Below are examples proving JMT's track record.

JMT is most proud of the roadway safety accomplishments that we have made working with our clients. Our expertise starts with our ability to identify effective safety countermeasures and assist with project development for implementation. We have assisted FDOT with



developing HSIP-funded projects and the application of safety countermeasures on resurfacing and capacity projects. This continues into the design phase, where we ensure that the countermeasures are applied appropriately, and we are aware that any cost escalation will impact the safety funding. Our aggressive safety focus has led to projects being constructed that have documented crash reductions, including innovative intersections, enhanced clear zones, lighting enhancement projects, midblock crosswalk treatments, and even enhanced SMART work zones. Most recently, *JMT worked with the FDOT District 7 Safety Office, performing Safety Audits on work zones using staff with traffic safety, FHWA, and enforcement backgrounds.* This has resulted in many innovations applied to MOT, including staging areas for law enforcement and using geofencing to send safety messages to motorists traveling through the work zones.

Another example is JMT's work with District 7 on high-friction surface treatment applications. JMT has been at the forefront of the application of this safety treatment. Our team has led all the research that has been developed, including a collection of continuous friction measurements, the correlation between safety measures of effectiveness versus friction measurements, and the development of new crash reduction factors for the treatment. This work has been coordinated with FHWA, including in-person visits of FHWA to District 7, and JMT will be assisting with presenting the program and results of the research at the American Traffic Safety Services Association conference. One final safety-related innovation is JMT's work developing safety countermeasures on a systemwide basis using GIS tools and GIS data such as crashes, context classification, speed, etc. The result is a list of locations within GIS where a safety countermeasure is recommended. We have done this with lighting, dilemma zone detection, and signal visibility upgrades for FDOT District 1, and these recommendations are part of the Safety Needs List used to add the countermeasures to resurfacing projects.

In addition to safety-specific solutions, JMT has provided clients with design innovation on several projects. The following are several roadway and highway design projects where JMT provided innovative solutions that led to cost savings.

- SR 68 (Orange Avenue) at SR 713 (Kings Highway) (Client: FDOT District 4): This is an intersection improvement project in St. Lucie County that proposed dual westbound-to-northbound right-turn lanes (from WB Orange Avenue to NB Kings Highway) capable of handling large volumes of truck traffic accessing the Flying J Travel Center just west of I-95. To improve safety for cyclists and pedestrians, and simultaneously avoid costly ROW acquisition, limit impacts to existing drainage facilities, and eliminate wetland impacts, JMT proposed a unique solution which was ultimately approved by the FDOT. This involved modifying the east leg of the intersection by removing the bicycle "keyhole" lane from the intersection approach and routing the WB cyclists onto a widened 12' sidewalk/shared-use path along the north edge of the roadway, narrowing the traffic separator width, and reducing mainline travel lane widths to 11' while providing 12' auxiliary (turn) lanes. By reallocating a portion of the paved corridor width to a new shared-use path, there is no longer a risk of wide-turning trucks encroaching into the path of cyclists within the roadway. Additionally, the shared-use path may be connected via the intersection crosswalks to designated bicycle lanes on Kings Hwy and a future trails to the south.
- **10**th **Avenue N at SR 807/Congress Avenue (Client: FDOT District 4)**: This is an intersection and access management improvement project in the Village of Palm Springs. The initial concept proposed ROW acquisition to replace the span-wire signal assembly with mast arms and extending the northbound to westbound left turn lane, but did not sufficiently address the ADA, transit, and maintenance impacts created by the proposed improvements. After extensive coordination with Palm Beach County, the design was improved to minimize areas of ROW acquisition while also accommodating hardened centerlines (i.e., for pedestrian safety at crosswalks), individual curb ramps for each crosswalk access point, usable maintenance areas for County staff, and widened sidewalk for a future Palm Tran bus shelter.
- SR 5/US-1 from N of George Bush Boulevard to the C-16 Canal (Client: FDOT District 4): This was a resurfacing, restoration, and rehabilitation (3R) project located in the Cities of Delray Beach and Boynton Beach. Two existing brick-paver, signalized intersections at Ocean Avenue and Boynton Beach Boulevard were to be upgraded to new asphalt. The initial pavement design concept required over 10" of asphalt base to be placed within the intersection upon removal of the brick pavers and would have required 24-hour lane closures with detours due to the cooling time needed to place 3" lifts of asphalt. JMT proposed a revised pavement design concept that re-compacted the existing sand layers beneath the pavers and placed a lime rock base under the new asphalt surface course,



which significantly reduced the construction time and saved over \$150k in pavement materials and \$100k maintenance of traffic costs by eliminating the need for full intersection closures/detours.

- SR 811/NE 4 Avenue/Wilton Drive from Sunrise Boulevard to NE 26 Street (Client: FDOT District 4): This was an award-winning lane-reduction mobility project in the Cities of Wilton Manors and Fort Lauderdale that provided wider sidewalks, designated bike lanes, and on-street parking. The original design concept called for using trench drains within the 14' sidewalks (i.e., 7' of sidewalk on either side of the drain, sloping toward the center). These drains are difficult to maintain, as they become easily clogged by debris and could have flooded local businesses at the back of sidewalks if the drains became blocked. Prior to construction, JMT developed a new drainage concept that allowed for the 14'-wide sidewalks to slope uniformly toward the roadway and utilized variable height curb and gutter with shoulder inlets to guarantee 2% sidewalk ADA-compliant cross slopes. This design was harmonized with the previously procured inlet boxes. The elimination of over 2500' of trench drain resulted in +\$200k in savings. Additionally, the maintenance of traffic (MOT) plan was also revised to provide detours while the proposed medians and bulb-outs were constructed; this new MOT scheme expedited the new construction by over 30 days and resulted in cost savings of over \$100k; this project was subsequently bestowed the FTBA Best in Construction Award for Maintenance of Traffic.
- Loxahatchee Road Roundabouts (Client: FDOT District 4): JMT was part of the design team for the reconstruction of 6.2 miles of Loxahatchee Road in Parkland, FL. As part of this project, three intersection analyses were conducted to improve safety along the corridor. The analysis compared the no-build alternative for the intersections to remain stop-controlled versus signalization or other alternative intersections. The results showed that the best alternative was to convert all three intersections to single-lane roundabouts. The installation of the roundabouts is expected to reduce all crashes by 44% while also improving operations through the intersections.
- Various Resurfacing Projects (Client: Hillsborough County): These projects had a base failure due to a high-water table. It was determined to use full-depth reclamation (FDR) instead of fully reconstructing the entire roadway, which resulted in cost savings for both design and construction. Delivery of this unique design required collaboration with JMT's in-house construction staff, who have experience with FDR, and the County Pavement Engineer. This project was a successful collaboration that brought a new, innovative, and cost-saving concept to Hillsborough County.
- Various SR 5/US 1 Intersections (Client: FDOT District 4): As a cost-saving measure, instead of replacing box span signals that did not meet minimum vertical clearance requirements, the span wire assemblies were re-tensioned and partially repositioned. The catenary cables (upper) were tensioned to reduce sag. The messenger cables (lower) attachment points on the FDOT poles were repositioned/raised, and the messenger cables were replaced and tensioned. This approach complied with FDOT FDM, AASHTO, and MUTCD minimum vertical clearance criteria of 15'-0"; a design variation was approved for vertical clearance. This approach also significantly reduced impacts to the project schedule and existing utilities and did not require procurement of new mast arms, which helped to reduce the design and construction budgets.
- I-10 Enhanced Clear Zone (Client: FDOT District 3): Under our Districtwide Safety contract, JMT was tasked with developing an I-10 Corridor Safety Study. This was developed to target lane departure and wrong-way driving crash trends along I-10. Recommendations produced as part of this study included the implementation of pilot projects with ITS wrong-way detection solutions. The most innovative safety recommendation was to provide an enhanced clear zone along I-10 to account for actual operating speeds and roadway geometry. This enhanced 46-foot clear zone was used, reducing the severity of lane departure crashes. A benefit-cost of 16.8 and a net present value of \$500M were calculated for this project due to the low cost of tree removal compared to the positive benefit of saving lives. Projects were programmed using HSIP funds, resulting in a reduction of 32 serious and fatal crashes per year along I-10 in District 3.
- SR 9336/ SW 312 Street/Palm Drive from SW 192 Avenue to SR 5/US 1 (Client: FDOT District 6): This was a resurfacing, restoration, and rehabilitation (3R) project located in the City of Florida City. The project called for widening the roadway to provide designated bicycle lanes and widening existing sidewalks. JMT developed a concept in collaboration with the City of Florida City to



build a 12'-wide "shared-use" path within the City right-of-way adjacent to the state roadway; additionally, JMT utilized an asphalt path design in lieu of concrete to save on construction costs. Finally, in areas with existing curb and gutter, the sidewalk was widened to 10' and variable-height curb and gutter was proposed adjacent to the new edge of pavement to guarantee 2% maximum sidewalk cross slopes while avoiding impacts to adjacent properties; existing inlet bottoms were not impacted, and new inlet tops with custom flumes were designed to channelize stormwater to the existing drainage structures. This innovative approach was simpler to construct, eliminated the chance of runoff flowing backward toward private businesses, reduced impacts to buried utilities, avoided schedule impacts and costly utility relocations, and resulted in over \$300k of cumulative cost savings.

- SR 826/NE 163 Street/Sunny Isles Boulevard from NE 35 Avenue to SR A1A/Collins Avenue (Client: FDOT District 6): Curb bulbouts were recommended adjacent to side streets, along with installation of new inlets and pipes to address drainage impacts. By installing small curb islands in lieu of continuous bulb-outs, the safety recommendations were still met while existing drainage patterns were maintained, and the need to install new drainage structures was eliminated. This avoided utility impacts, allowed for a simpler temporary traffic control scheme without needing detours, and resulted in design and construction cost savings to the Department.
- Orange Boulevard (CR 431) Safety Improvements (Client: Seminole County): JMT has been actively utilizing 3D modeling tools included with the new OpenRoads Designer Interface on our current Orange Boulevard (CR 431) safety improvement project for Seminole County. This 3D modeling allows contractors to efficiently set roadway grades resulting in construction cost savings. Additionally, this full 3D model allows JMT to fine-tune cross-slope correction strategies when needed to ensure a constructible design. JMT has utilized these new 3D tools to provide effective fly-throughs and augmented reality (AR) applications for use at Public Forums throughout the US.
- SE 4th Street Raised Bike Lanes (Client: City of Gainesville): JMT designed a project that was recently constructed in the City of Gainesville along 4th Street from Williston Road to Depot Avenue. This two-lane undivided road did not have bike lanes and only had sidewalk on one side of the roadway. Our design included the reconstruction of the roadway with raised concrete bike lanes separated from the travel lanes by type E curbs and separated from the sidewalk with Type B curbs on both sides. This roadway has high bicycle and pedestrian usage and intersects with the Gainesville-Hawthorne State Trail. This project is anticipated to have positive impacts on the safety of those vulnerable users. It is shown to reduce vehicle encroachment into the bike lanes, encourage bicyclists to ride in the bike lane versus the sidewalk, and visually reduce the width of the roadway, providing speed calming for vehicles.


Ability To Meet Schedule And Budget Requirements

Our team is committed to meeting and exceeding the City's schedule and budget requirements for the projects and tasks that are anticipated under this contract. Astute, prudent management of financial and human resources are among our core business values. We routinely beat project schedules through a targeted, well-orchestrated effort of the entire team, including City staff. The depth of our team, as described in **Tab 2**, gives us the ability to add considerable resources to meet any schedule and to handle multiple assignments simultaneously, as we have proven on numerous previous city and county contracts. Having all of the services in-house, including critical services such as data collection, traffic engineering, and roadway design, affords us the flexibility to fast-track projects and work on multiple tasks concurrently. This results in shorter schedules and direct cost savings.

BUDGET CONTROLS Our team has a strong history of successfully completing projects under budget. Frequent value engineering and costing at early stages allow close control of the variables that affect costs. More importantly, it allows us to present you, our client, with options at an early point in the process, where modifications can be made in a timely and cost-effective fashion. Keeping in mind the City's budget for each assignment, we will develop an appropriate scope to satisfy the budget constraints. JMT staff has been performing similar transportation design tasks for state and local clients throughout Florida for over 30 years. This experience allows us to accurately estimate the hours necessary to complete any task and allows us to find areas to streamline the scope and budget with the result in mind.

As the project is executed, our project manager, Joshua Baimel, PE, will utilize JMT's budget management tools to monitor the progress closely. Each project budget is input into Microsoft Power BI, which uses real-time data showing the actual vs. budgeted multiplier, project cost, and project revenue. It also shows the work in progress from our daily timesheet inputs. This is an exceptional way to monitor the project financials daily. JMT also requires monthly input of an actual work percentage completed on every project. This tool reports an estimate over/under budget by comparing the remaining cost with the estimate to complete input by the project manager. Joshua will provide the City Project Manager with progress reports so that everyone is clear on the progress that has been made compared to the budget. These project metrics are formally reviewed in a monthly project review meeting that includes all project managers, accounting staff, our quality management auditor, and Sergio Quevedo (our Principal-in-Charge and Florida Regional Manager). These meetings allow for ideas to be shared on how to make active corrections if a project has budget issues.

In addition, we have identified the following ways to add value and enhance efficiency for each task work order:

- Identify the right technical team to efficiently deliver the project.
- Develop a well-defined scope.
- Engage in clear and concise communication with the City staff and the project team throughout the project life.
- Establish clear expectations for each phase of the project not just the final product.
- Utilize SharePoint cloud-based project site for team collaboration and document sharing.
- Utilize Microsoft Teams meetings for efficient video, file, and screen sharing

Benefit example of how our budget controls have improved project delivery and resulted in cost savings:

Using Microsoft Power BI and the tool that JMT developed to report the actual percent complete, our Project Managers can immediately identify a project that is complete (reported 100% complete) and has remaining funds available. This is immediately reported to our City Project Manager so that the money can be reallocated as needed.

SCHEDULE CONTROLS JMT will maintain meticulous control of each project schedule using the Critical Path Method and Microsoft Project, illustrated in Gantt Chart format. Each assignment's schedule is broken down into appropriate tasks, aligned with the project's work breakdown structure. The schedule is updated monthly to depict actual progress. Critical schedule tasks will be identified and generally include completion of data collection tasks for studies and survey tasks for design projects. These critical disciplines have been given added focus when it comes to staffing.

JMT staff can complete tasks in these areas with local presence, knowledge, and availability. Time is set aside for quality control,



constructability, and safety reviews. In addition, sufficient time is set aside for the City of Port St. Lucie reviews. Project milestones are communicated weekly to all staff in our task assignment meetings, and the detailed schedules are reviewed at our monthly project meetings.

Benefit example of how our schedule controls have improved project delivery and resulted in cost savings:

Our **proposed Project Manager, Joshua Baimel, PE**, recently accelerated a project along SR 811/NE 4th Avenue/Wilton Drive in the Cities of Fort Lauderdale and Wilton Manors for FDOT District 4 (FDOT PM: Humberto Arrieta, PE). The project was inherited from an underperforming consultant who was unable to complete the final "production" submittal. Via JMT's Districtwide Minor Project Design Contract (a task-work-order based contract similar to the City's General Engineering Consulting Services contract), JMT provided experienced staff to bring the project back on track by completing the plans production phase to meet the letting deadline. Then, during the ensuing post-design/construction phase, JMT addressed many of the original consultant's design flaws with respect to geometry, constructability/MOT, drainage, signalization, S&PM, and lighting, which accelerated the project construction and significantly reduced construction costs. Examples include redesigning a portion of the proposed drainage system to eliminate the need for installing trench drains in the newly widening sidewalks; coordinating with the local cities to use detours instead of phased construction to install proposed bulb-outs, replace paver intersection crosswalks, and resurface and restripe the newly narrowed corridor. This effort required weekly coordination meetings with the contractor, the FDOT CEI staff, and the Cities of Fort Lauderdale and Wilton Manors. Ultimately the project was considered a grand success and was awarded a **2020 FTBA Best in Construction Award** for JMT's innovative Maintenance of Traffic concepts that helped to reduce the construction and was awarded a **2021 National Roadway Safety Award** by the United States Secretary of Transportation, Peter Buttigieg.

| Quality Control Plan

Quality is the degree to which a product or service meets stated requirements. At JMT, quality is developed into the project through effective planning and communication. Our procedures also include project controls that identify changes and variances from the plan and establish effective verification activities to ensure high-quality project deliverables. Our philosophy focuses the entire team on client orientation, a process approach to our work, and the continual improvement of our system. These principles drive every decision we make toward the planning and development of our services.



JMT manages quality through its corporate-wide Quality Management System (QMS). Our QMS, **certified to the internationally recognized ISO 9001:2015 standard**, is a systemic, process-based approach to ensure our products and services meet our client's requirements. JMT has developed our QMS to pledge client satisfaction through quality deliverables provided on time and within budget. **The ISO 9001:2015 certification requires office audits on an annual basis. This proves how seriously we take QA/QC and assures us that the City of Port St. Lucie will get the highest quality deliverables.**

Our QMS goes beyond simple quality control and employs an effective, consistent approach that is tailored to each assignment. This approach includes procedures for each project, such as:

- Development, documentation, and communication of all project requirements to the design team.
- Coordination of these requirements into a cohesive project-specific Project Management Plan to ensure synthesis among all stakeholders and establish quality verification activities.
- Monitoring and controlling the plan against the established baseline and addressing changes.
- Development of continuous improvement activities, including internal audits, to ensure the effectiveness of this plan and overall quality management system.



Our quality procedures establish a consistent approach to each task but grant flexibility to the project manager to develop a projectspecific plan that is uniquely designed to meet the requirements of a specific assignment or client. Our QMS defines quality assurance as to the systematic process by which the project is planned, executed, monitored, and controlled. This approach ensures that quality is built into the process and not simply verified (quality control) after the deliverables are developed. This focus on quality as a process and not a singular event will ensure fewer construction-related changes and associated costs due to delays and change orders.

Other key features of our QMS include:

- **Thorough Understanding of Project Requirements**. The client's goals, objectives, and standard requirements and procedures are closely reviewed and understood prior to the development of any Project Management Plan or establishing deliverables.
- Stakeholder Identification. Our procedure stresses the importance of identifying and documenting in the Project
 Management Plan all project stakeholders during the project planning process. This includes all relevant members of the City's
 team, including design, construction, maintenance, and operations personnel; regulatory parties; utility owners; and other key
 stakeholders that may have an impact on the project.
- **Rigorous adherence to Project Management requirements.** Strong project management is the core of any quality program and encompasses the development of a project-specific Project Management Plan that includes the documented project requirements as it relates to:
 - ✓ Scope
 - ✓ Schedule
 - \checkmark Cost and Budget (both design and construction)
 - ✓ Project staffing, roles, and responsibilities
 - ✓ Project Risk
 - ✓ Document Control

- ✓ Quality Control
- Communication Strategy (including meetings and progress reports to the client)

The Project Management Plan will outline the verification or quality control activities and procedures for the project. JMT's approach to quality control includes procedures to verify the deliverable meets the stated objectives and goals of the project. Deliverables are checked by discipline representatives not involved in the production. These independent quality control checks address both inter-and intradisciplinary requirements, ensuring coordination with the contract documents. Our quality control procedures include review activities such as:

- **Cost Estimate** Evaluate construction cost estimates against similar City projects and compare estimate against budget.
- **Calculation Review** Check that calculation inputs are coordinated with plans.
- Technical Review Develop checklists and review documents for each design team discipline.
- Coordination Review Perform a coordination review of disciplines to eliminate conflicts and ensure consistency.
- Consistency Review Verify that plans are consistent among all design disciplines.
- Specifications Review Check specifications against drawings and construction cost estimates.
- **Constructability Review** An independent constructability review is completed for the project to ensure the biddability and constructability of contract documents. Additionally, these constructability reviews are also used by JMT to ensure we are providing cost-effective design solutions. Input from our construction services staff is sought at all stages in any design.



Dispute Resolution

The first step to resolving complex construction issues or disagreements is to resolve them before they become formal claims. Our successful projects attribute a "claim free status" from the development of a genuine partnering approach that is built around an attitude that each member of the project is not only supporting -but genuinely helping each other succeed in their goals, whether it be a schedule, a budget or a scope expectation.

We can have good communication, we can have spot-on coordination, but we must have cooperation from a true-partnering aspect. Partnering works and does help make projects run very smoothly.

Essential elements of our formal Partnering Sessions include the platforms to set up and identify a dispute resolution process (DRP) for the project. Establishing the techniques that seek decisions at the lowest possible level and as quickly as possible are outlined in the DRP. Creating reasonable understanding and negotiation for all party positions are key to making effective resolutions. Utilizing a matrix of decision-makers provides a process to discuss and resolve the dispute from the lowest level and forces the dispute to move up to the next level whenever a reasonable resolution cannot be attained. Time limits are always assigned at each level to ensure the process flows and issues are satisfactorily resolved. Understanding that both sides are committed to keeping the project moving and solving the conflicts or obstacles early helps avoid the entanglement that formal claims create.

Should job-level efforts fail at resolving a dispute, advancing the issue to a more structured process provides solutions for the contractor or owner. Some of these alternative resolution procedures incorporate formal negotiations, mediation panels, dispute resolution boards, and, eventually, arbitration. Any of these procedures could be incorporated into the contract documents to maintain a level of mutual understanding between parties, advancing the importance of partnering on the project and establishing proactive resolution efforts for disputes between parties.

Availability, Location, And Workload

JMT's workload includes contracts that we have been working under for over two years, so our workload is well established, and our staffing is perfectly aligned with these contracts.

Joshua Baimel, PE, Project Manager, is currently 75% available; however, 15% of his current time is spent on assignments that will be completed by the time this contract is executed. So, 75-85% of his time can be spent on this contract at any given time. Joshua will get the contract kicked off quickly and will be immediately available to manage multiple projects just like he is doing now for FDOT. Joshua is very comfortable managing numerous tasks at once, thanks to his prior experience managing task-based contracts.

Our experience with city and county contracts is second to none. What we have learned from that recent experience is that staffing for these contracts is critical. This is important because the expectation is to deliver multiple projects at the same time and we have proven that we can deliver high-quality design projects while working on 10 to 15 projects simultaneously. JMT's Florida offices are staffed specifically to deliver this level of design services over multiple years. We have made key hires over the past five years to give us depth in each discipline. On the following page is a table showing the projected availability of our key staff over the next year.

JMT's statewide management team meets on a weekly basis to allocate resources to projects based on our estimated needs for each. This is where backup staffing needs are identified on the rare occasion that the workload cannot be handled by Florida staff. This management meeting provides the ability to review deadlines to ensure assignments receive appropriate quality control reviews and are delivered in accordance with the schedule. With this approach, JMT can commit to providing sufficient staff resources to handle the peak workload demands, as we have for our previous continuing services contracts for other cities and counties.

In addition to the staff that is proposed on the organizational chart, JMT has additional resources that can easily be called upon if necessary. JMT has 90 professional staff members throughout our Florida offices and over 2,300 professional staff nationwide. This staff can be called upon for any discipline or specialized assignment. In case of unforeseen circumstances, including loss of staff, JMT is well



suited to continue offering the same level of quality service that you deserve. Below is a table of backup staff, with their years of experience included, in each discipline that was not included in our organizational chart. This is JMT staff based in the eastern United States with the ability to assist with our Florida workload.

TRAFFIC CALMING BIKE & PED DESIGN/ROADWAY DESIGN/ MAINTENANCE OF TRAFFIC	TRAFFIC STUDIES & PLANNING/SIGNAL & FIBER OPTIC DESIGN	BIDDING & PROPOSAL EVALUATION/COST ESTIMATES & SPECIFICATIONS
Scott Mednick, PE (36) Toyin Animashuan, PE (24) Shawn Reynolds, PE (25)	John Riley, PE, PTOE (26) Karzan Bahaaldin, PE, PTOE (30) Golam Moinuddin, PE (23)	Michael Vermillion, PE (23) Ryan Mattie, PE (17)
DRAINAGE DESIGN &	ENVIRONMENTAL	CONSTRUCTION
PERMITTING	ASSESSMENTS	MANAGEMENT
Reece Carine, PE (6)	John Collum, PWS, CEPSCI (24)	Ubaldo Rodriguez, PE (9)
Michael Stephenson, PE (5)	Tina Sekula, AICP, CEP, PWS (22)	Jason Hahn, PE (33)

Aggre	gate Current Workload and Availab	ility of Key Te	am Membei	rs Over the Next Year	
	Joshua Baimel, PE	20%			80%
Project Management	Sergio Quevedo, PE, PTOE, RSP1	45%			55%
	Lee Watts, PE	45%			55%
Traffic Calming Bike & Ped	Johan Aranda, PE	25%			75%
Design	Joseph Gerum, PE, PTOE, RSP1	30%			70%
Traffic Studios & Dianning	Anthony Chaumont, PE, RSP1	25%			75%
Trainc Studies & Plaining	Matthew Knight, PE	30%			70%
Poodwov Docian	Johan Aranda, PE	25%			75%
Roduway Design	Michael Priory, PE	30%			70%
Dusing a Dasing 8	Michael Ryan, PE	35%			65%
Drainage Design & Permitting	Derek Doughty, PE, ENV SP	40%			60%
. en interny	Steven Collins, PhD, PE	35%			65%
Maintonance of Traffic	Jameson Wilson, PE	30%			70%
	Jason Flick, PE	30%			70%
Misc. Structural Design	Paul Marotta, PE	20%			80%
Signal & Fiber Optic Design	Ryan Bogan, PE	25%			75%
Construction Management	Steven Haines, PE, LEED AP	45%			55%
Bidding & Proposal	Dan Dan Zhao, PE	25%			75%
Evaluation	Steven Haines, PE, LEED AP	45%			55%
Environmental Assessments	Jason Evert	40%			60%
Cost Estimates &	Jason Flick, PE	30%			70%
Specifications	Dan Dan Zhao, PE	25%			75%
Utility/Rail/Transit Coordination	Dan Dan Zhao, PE	25%			75%
Geotechnical	David Andre, PE	35%			65%
Survey & Mapping/SUE	Kenneth Glass, PSM	40%			60%
Landscape Architecture	Aaron Wilbur, PLA	40%			60%
				= Current Workload	= Availability

Our experience with Florida municipal contracts is second to none. What we have learned from that recent experience is that staffing for the City of Port St. Lucie contracts is critical. This is important because the expectation is to deliver multiple successful projects at the same time, and we have proven that we can deliver high-quality design projects while working on numerous projects simultaneously.

Available • Ready • Capable to Work Today!

CERTIFIED MINORITY BUSINESS ENTERPRISE



Tab 4 | Certified Minority Business Enterprise

JMT is not a Certified Minority Business Enterprise.



5 ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS



ARCHITECT – ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

5. NAME OF

Continuing Contract for Transportation & Traffic Related Professional Services | City of Port St. Lucie

Z. PUBLIC NOTICE DATE	20240169				
B. ARCHITECT-ENGINEER POINT OF CONTACT					
4 NAME AND TITLE					

Joshua Baimel, PE | Project Manager

Johnson, Mirmiran & Thompson, Inc. (JMT)

6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS
(954) 492-9921	(954) 492-9909	jbaimel@jmt.com

C. PROPOSED TEAM

	PRIME	J-V PARTNER	SUBCON TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
				Johnson, Mirmiran & Thompson,	3731 Oleander Avenue	Professional Transportation & Traffic
a.	•			Inc. (JMT)	Suite 100	Design Engineering Services
				CHECK IF BRANCH OFFICE	Fort Pierce, FL 34982	
				Andersen Andre Consulting	834 SW Swan Avenue	Geotechnical Engineering Services
b.			•	Engineers, Inc. (AACE)	Port St. Lucie, FL 34983	
				CHECK IF BRANCH OFFICE		
				CivilSurv Design Group, Inc.	1680 SW Bayshore Boulevard	Survey & Mapping and SUE Services
c.			•		Suite 113	
				CHECK IF BRANCH OFFICE	Port St. Lucie, FL 34984	
				Cotleur & Hearing	1934 Commerce Lane	Landscape Architecture Services
d.			•		Suite 1	
				CHECK IF BRANCH OFFICE	Jupiter, FL 33458	
e.						
				CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)

Continuing CITY OF PORT 9	RT S	g Contract for ST. LUCIE	E-RFP Nu Fransportation & Traffic Related Prof	Imber: 20240169 essional Services
l-in-Charge	Contract/Pr	Project Manager	QA/QC Mana	ger
PE, PTOE, RSP1 JMT	Joshua Ba	Baimel, PE JMT	Robin Hernandez, P	E, RSP1 JMT
			QA/QC S Production Review: Sergio Q Constructability Revie	iupport iuevedo, PE, PTOE, RSP1 JMT ew: Lee Watts, PE JMT
Traffic Studies & Planning	Road	adway Design	Drainage Design & Permitting	Maintenance of Traffic
Anthony Chaumont, PE, RSP1 JMT Matthew Knight, PE JMT Andrew Gray, EI, RSP1 JMT	Johan Michae Carlos	n Aranda, PE ^{JMT} ael Priory, PE ^{JMT} os Armijo, El ^{JMT}	Michael Ryan, PE JMT Derek Doughty, PE, ENV SP JMT Steven Collins, PhD, PE JMT	Jameson Wilson, PE JMT Jason Flick, PE JMT Michael Vermillion, PE JMT
Signal & Fiber Optic Design	Construction	n Management	Bidding & Proposal Evaluation	Environmental Assessments
Ryan Bogan, PE JMT Glenn Bailey JMT Raymond Rodriguez JMT	:even Haines, Wesley K	, PE, LEED AP ^{JMT} Kraft, El ^{JMT}	Dan Dan Zhao, PE JMT Steven Haines, PE, LEED AP JMT	Jason Evert JMT Matthew Thomas, CEPSCI JMT Alexandra Serra JMT
Cost Estim Vpplications Specifications	ates & tions	Utility/I Coor	tail/Transit Public In dination	/olvement
Shepherd JMT Jason Flick alaio, El JMT Dan Dan Zhá	, PE JMT ao, PE JMT	Dan Dan	Zhao, PE JMT Karen E Iris Che	turns JMT JMT
Geotechnical	Survey & M	Mapping / SUE	Landscape Architecture	
David Andre, PE AACE Peter Andersen, PE AACE	Kenneth G Scott V	Glass, PSM ^{CSI} Worack ^{CSI}	Aaron Wilbur, PLA ^{C&H} Leah Heinzelmann ^{C&H}	
t n & Thompson, <u>subconsultants</u>	Anders Consultini Inc. (ersen Andre ing Engineers, H C. (AACE)	otleur& CIVILSUNV earing (CIVILSUNV &H)	Key Staff in Bold = Resumes Included

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12. NAME	13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE			EARS EXPERIENCE	
Joshua Baimel, PE	Project Manager		a. TOTAL b. WITH CURRENT FIRM		
15. FIRM NAME AND LOCATION (City and State)	Johnson, Mirmiran & Thompson, Inc. (JMT) Fort Pierce, FL				
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Civil Engineering, University of	In the second		ate and discipline) er FL 59999		

With 25 years of FDOT project experience, Joshua is a senior project manager responsible for the management, design, and development of transportation projects, including overall project oversight/client relations, serving as the Engineer of Record and QA/QC liaison for roadway plan components, budget and schedule maintenance, and public outreach coordination. His design and production experience includes the development of roadway plans, traffic control plans, drainage design, signing and pavement markings plans, lighting and traffic signal plans, utility coordination, and technical reports/ packages (RRR, LDAR, pavement design, typical section, specifications).

19. RELEVANT PROJECTS

a. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
SR-9336 / Southwest 344th Street/Palm Drive from SW 192nd Avenue to West of SR-5/US-1, Miami-Dade County, FL FDOT District 6	PROFESSIONAL SERVICES 2021 - 2023	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Project Manager. JMT provided design services on this 3R project with safety and multimodal enhancements. The corridor consists of a rural flush-shoulder two-lane, two-way section from SW 192 Ave to NW/SW 6 Ave, and an urban curb and gutter section from NW/SW 6 Ave to US-1). The project included milling and resurfacing, intersection improvements to improve operations and safety, constructing paved shoulders adjacent to the travel lanes, reconstructing/adding sidewalk, upgrading pedestrian curb ramps, constructing boarding and alighting pads for bus stops, installing a 12'-wide shared used path in the rural segment of the corridor and widening existing sidewalks from 5' to 10' in the urban segment to provide connectivity to the Miami-Dade Busway, upgrading all existing signing and pavement markings to meet current standards, installing bulb outs at crosswalks and on-street parking locations, installing pedestrian signal heads. upgrading existing obsolete pushbuttons and detectors, replacing existing HPS luminaires with LED fixtures and coordinating with the City of Florida City for replacing missing light poles and repairing damaged poles.

b. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED		
SR-838/Sunrise Boulevard from I-95 to SR-5/US-1, Broward County, FL FDOT District 4	PROFESSIONAL SERVICES CONSTRUCTION <i>(if applicable)</i> 2021 - 2024 N/A		
(2) RDIEE DESCRIPTION (Reiaf scape, size, cast, ats LAND SDECIEIC POLE	Check if project performed with current firm		

Senior Engineer. JMT was selected by FDOT District 4 to perform milling and resurfacing for the existing pavement on Sunrise Boulevard in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. The improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection of Northwest 13th Avenue; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks).

1) THE AND LOCATION (City and State)	(Z) TEAR COWIPLETED		
SR-80/Southern Boulevard Ramps and SR-7/US-441, Palm Beach County, FL FDOT District 4	PROFESSIONAL SERVICES 2020 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A	
(2) DDIEE DESCRIPTION (Brief again, aire, and ate LAND SDECIEIC DOLE	M Charle if a value to a she was a duvite a unread firm		

Senior Engineer. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR-7/US-441 and the SR-80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the East Bound and West Bound SR-80 ramps and dual right turns on North Bound and South Bound SR-7. The project includes widening of the C-51 bridges, signalization, lighting, and drainage improvements.

d. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
SR 811/NE 4th Avenue/Wilton Drive (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL. <i>FDOT District 4</i>	PROFESSIONAL SERVICES 2018 - 2020	CONSTRUCTION <i>(if applicable)</i> 2020	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm		

Project Manager. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project. The scope involved reducing the roadway from a 5-lane typical section to a 3-lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition and irrigation improvements, and a Level 2 TTCP scheme-2021 National Roadway Safety Award and FTBA 2020 "Best in Construction" Award for Maintenance of Traffic.

	E. RESUMES O	F KEY PERSONNEL PROPOSED F	OR THIS CONT	RACT	
12. NAME	13. ROLE IN THIS CO	<i>(Complete one Section E for each key pe</i> NTRACT	erson.)	14. Y	EARS EXPERIENCE
Course Outwords DE DTOE DED1	Data ata al ta		3	a. TOTAL	b. WITH CURRENT FIRM
Sergio Quevedo, PE, PTOE, RSPI	Principal-in	-charge and QA/QC Sup	oport	22	8
15. FIRM NAME AND LOCATION (<i>City and State</i>) Johnson, Mirmir	an & Thomp	son, Inc. (JMT) Tampa,	FL		
BS, Civil Engineering, University of Florida FL 2291; Road Safety Professional				<i>scipline)</i> ssional Traffic Op el I (RSP1) 676	erations Engineer (PTOE)
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications,	Organizations. Trainii	ng, Awards, etc.)			
Mr. Quevedo has 22 years of experience in managing a staff of technical personnel performing traffic operational and safety studie assessments, signing and pavement marking design, signalization design, ITS design, and lighting design. His responsibilities have in coordination with clients, field reviews, plans and report preparation and quality assurance. His experience includes numerous traffic s covering signal warrants, intersection safety and operations, arterial safety and operations, four-way stop warrants, signal retiming, delay, and fatal crash and high crash location reviews. His specialty is in traffic safety and he has served in-house at FDOT Dissupporting their safety program and has also served as Interim District Safety Engineer in District 3 leading their safety program.					
		19. RELEVANT PROJECTS			
a. 1) TITLE AND LOCATION <i>(City and State)</i>				(2) YEAR COI	
SR 826/Sunny Isles Boulevard from Avenue, Miami-Dade County, FL., FD	IE 35th Avenu OT District 6	Ie to SR A1A/Collins Dade County, FL	PROFESSIONAL SE	018 - 2020	2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE				ect performed with current f	ìrm
all inner and outer loop ramps; scope includes reconstruction of substandard pedestrian ramps, upgrading/installing guardrall and e treatments, signing and pavement markings (including addition of bicycle lanes), signalization improvements (new mast arm at NE 3 Avenue and new pedestrian features at mid-block crossing on EB SR 286), and safety enhancements at N Bay Road and several ramps reduce crashes.					(new mast arm at NE 35th Road and several ramps to
b. 1) TITLE AND LOCATION <i>(City and State)</i>				(2) YEAR COI	MPLETED
SR 811/NE 4th Avenue (Dixie Highway) from SR 838/Sunrise Boulevard to PROFESSIONAL SERVICES NE 26th Street, Broward County, FL., FDOT District 4 Broward County, FL			2018 - 2020	construction <i>(if applicable)</i> 2020	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SP	ECIFIC ROLE		Check if proj	ect performed with curren	ıt firm
Quality Assurance/Traffic Engineer. JN elimination/complete streets project al the roadway from a 5-lane typical sect outs, upgrading existing lighting to LE TTCP scheme that requires constant co Project was awarded 2020 FTBA Best in	IT served as the ong SR 811 wi ion to a 3-lane D luminaires, s pordination wi n Construction	e FDOT District 4 Owner's ithin the Cities of Fort Laud divided section, with wider signalization upgrades, tree th the municipalities, local k for MOT and 2020 FHWA N	representative erdale and W sidewalks, bu disposition, a pusinesses an National Roac	and EOR for the ilton Manors. The uffered bike lanes, and irrigation imp d the nearby Fort lway Safety Awarc	construction of this lane scope involved reducing , on-street parking, bulb- rovements, and a Level 2 Lauderdale High School.
c. 1) IIILE AND LOCATION <i>(City and State)</i>				(2) YEAR COI	MPLEIED
Wright Boulevard, FDOT District 4	Martin County	ioan Jefferson Way to NW 7, FL	2	018 - 2020	2020
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SP	ECIFIC ROLE		Check if proj	ect performed with current f	irm
Quality Control Manager. JMT provic Roosevelt Bridge over the St. Lucie Riv sidewalks and ADA ramps and replace	led roadway, er on SR 5. In ment of TMS s	signing and pavement ma addition to providing buffer ites.	rking, and si red bicycle lar	gnalization designes, improvement	n for the restriping of the s also included upgrades to
d. 1) TITLE AND LOCATION (City and State)				(2) YEAR CO	MPLETED
SR 80/Southern Boulevard Ramps an Palm Beach County, FL	d SR 7/US 44	1, FDOT District 4	PROFESSIONAL SE	rvices 0 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
Quality Assurance. JMT is providing de 80 corridor, a SIS facility, to deliver inte for the EB and WB SR 80 ramps and lighting, and drainage improvements.	esign services prsection-level dual right turn	at the single-point urban in operational and capacity im ns on NB and SB SR 7. Pro	terchange of provements, ject includes	an 8-lane section including triple lef widening of the	of SR 7/US 441 and the SR ft turns and dual right turns C-51 bridges, signalization,

E. RESUMES O	F KEY PERSONNEL PROPOSED FOR THIS (Complete one Section E for each key person.)	S CONTRACT	
12. NAME	13. ROLE IN THIS CONTRACT	14.	YEARS EXPERIENCE
Robin Hernandez, PE, RSP1	QA/QC Manager	a. TOTAL	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION <i>(City and State)</i> Johnson, N	/irmiran & Thompson, Inc. (JM	IT) Tampa, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Civil Engineering, University of South Florida, 20	01 17. CURRENT PROFESSIONAL RE Professional Enginee Road Safety Professio	gistration <i>(state and discipline)</i> er FL 68411 onal 655	

Ms. Hernandez has 22 years of experience in civil engineering design and project management. She has managed multiple task-based contracts and roadway improvement projects for FDOT, Pinellas County, and Hillsborough County. Her design background includes roadway and pavement design, temporary traffic control, specifications, cost estimation, ADA improvements, and roadway and traffic safety improvements. Ms. Hernandez also has experience in road safety audits, preliminary engineering reports, and safety analysis reports.

19. RELEVANT PROJECTS

a. I) THE AND LOCATION (City and State)	(Z) YEAR COMPLETED			
SR 811/NE 4th Avenue (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL., FDOT District 4 Broward County, FL	PROFESSIONAL SERVICES 2018 - 2020	CONSTRUCTION <i>(if applicable)</i> 2020		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with curr	ent firm		

QA/QC. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project along SR 811 within the Cities of Fort Lauderdale and Wilton Manors. The scope involved reducing the roadway from a 5-lane typical section to a 3-lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition, and irrigation improvements, and a Level 2 TTCP scheme that requires constant coordination with the municipalities, local businesses and the nearby Fort Lauderdale High School. Project was awarded 2020 FTBA Best in Construction for MOT and 2020 FHWA National Roadway Safety Award.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
SR 826/Sunny Isles Boulevard from NE 35th Avenue to SR A1A/Collins Avenue, Miami-Dade County, FL., FDOT District 6 Dade County, FL	PROFESSIONAL SERVICES 2018 - 2020	CONSTRUCTION <i>(if applicable)</i> 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cast, etc.) AND SPECIFIC ROLE	Check if project performed with current	t firm

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

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
SR 5/US 1/Roosevelt Bridge Re-striping from SW Joan Jefferson Way to NW Wright Boulevard, FDOT District 4 Martin County, FL	PROFESSIONAL SERVICES 2018 - 2020	CONSTRUCTION <i>(if applicable)</i> 2020	
(3) BRIEF DESCRIPTION (Brief scope, size, cast, etc.) AND SPECIFIC ROLE		t firm	

QA/QC. JMT provided roadway, signing and pavement marking, and signalization design for the restriping of the Roosevelt Bridge over the St. Lucie River on SR 5. In addition to providing buffered bicycle lanes, improvements also included upgrades to sidewalks and ADA ramps and replacement of TMS sites.

d. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
SR-9336 / Southwest 344th Street/Palm Drive from SW 192nd Avenue to West of SR-5/US-1, Miami-Dade County, FL FDOT District 6	PROFESSIONAL SERVICES 2021 - 2023	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

QA/QC. JMT provided design services on this 3R project with safety and multimodal enhancements. The corridor consists of a rural flushshoulder two-lane, two-way section from SW 192 Ave to NW/SW 6 Ave, and an urban curb and gutter section from NW/SW 6 Ave to US-1). The project included milling and resurfacing, intersection improvements to improve operations and safety, constructing paved shoulders adjacent to the travel lanes, reconstructing/adding sidewalk, upgrading pedestrian curb ramps, constructing boarding and alighting pads for bus stops, installing a 12'-wide shared used path in the rural segment of the corridor and widening existing sidewalks from 5' to 10' in the urban segment to provide connectivity to the Miami-Dade Busway, upgrading all existing signing and pavement markings to meet current standards, installing bulb outs at crosswalks and on-street parking locations, installing pedestrian signal heads, upgrading existing obsolete pushbuttons and detectors, replacing existing HPS luminaires with LED fixtures and coordinating with the City of Florida City for replacing missing light poles and repairing damaged poles.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12. NAME		13. ROLE IN THIS CONTRACT		14. YE	ARS EXPERIENCE
Johan Aranda, PE		Roadway Design		a. TOTAL	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (<i>City and State</i>) Johnson, Mirmiran & Thompson, Inc. (JMT) Fort Pierce, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) 17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) BS, Civil Engineering, University of Central Florida, 2004 Professional Engineer FL 69800					

Mr. Aranda is a highway engineering professional with 20 years of experience. He has worked on transportation projects for Florida DOT, Florida's Turnpike, Broward County, Miami-Dade County, and various municipalities. His experience in transportation infrastructure projects includes rural/urban arterials and limited-access facilities. He is proficient in numerous delivery methods, including design bidbuild and design-build. He has specialized in the design and implementation of roadway, drainage, signing and pavement markings, and signalization design concepts. His responsibilities include implementing/overseeing design concepts following design criteria, developing design reports, specifications packages and project management.

19. RELEVANT PROJECTS					
a. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMP	LETED			
SR-838/Sunrise Boulevard from I-95 to SR-5/US-1, FDOT District 4 Broward County, FL	PROFESSIONAL SERVICES CONSTRUCTION <i>(if applicable)</i> 2021 - 2024 N/A				
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm				

Highway Engineer. JMT was selected by FDOT District 4 to perform milling and resurfacing for the existing pavement on Sunrise Boulevard in Fort Lauderdale, FL. JMT will evaluate and implement the recommended improvements as prescribed by FDOT District 4. The improvements include reconstructing substandard and damaged curb ramps; replacing pavement markings and damaged/substandard signage; retrofitting lighting at the signalized intersection of NW 13 Ave.; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening as needed; and upgrading signals (replacing substandard pedestrian features at crosswalks). He was responsible for processing of survey data related to mobile LiDAR and topography as well as the development of a survey baseline and determination of existing right of way.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Design Services for SR-80/Southern Boulevard Ramps and SR-7/US-441, FDOT District 4 Palm Beach County, FL	PROFESSIONAL SERVICES 2020 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with curr	ent firm	

Project Engineer. JMT provided design services at the single-point urban interchange of an 8-lane section of SR-7/US-441 and the SR-80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the EB and WB SR-80 ramps and dual right turns on NB and SB SR-7. Project includes milling & resurfacing, pavement widening, bridge widening of the C-51 bridges, signalization, lighting, and drainage improvements. In addition to project coordination among subconsultants, responsibilities include leading design and production effort associated with roadway (including 3D modeling) and traffic control design.

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
SR 9336 / SW 344th Street/Palm Drive from SW 192nd Avenue to W of SR 5/US- 1, FDOT District 6 Miami-Dade County, FL	PROFESSIONAL SERVICES 2021 - 2023	CONSTRUCTION <i>(if applicable)</i> N/A	
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE		rent firm	

Project Engineer. JMT provided design services on this 3R project with safety and multimodal enhancements. The corridor consists of a rural flush-shoulder two-lane, two-way section from SW 192 Ave to NW/SW 6 Ave, and an urban curb and gutter section from NW/SW 6 Ave to US-1). The project included milling and resurfacing, intersection improvements to improve operations and safety, constructing paved shoulders adjacent to the travel lanes, reconstructing/adding sidewalk, upgrading pedestrian curb ramps, constructing boarding and alighting pads for bus stops, installing a 12'-wide shared used path in the rural segment of the corridor and widening existing sidewalks from 5' to 10' in the urban segment to provide connectivity to the Miami-Dade Busway, upgrading all existing signing and pavement markings to meet current standards, installing bulb outs at crosswalks and on-street parking locations, installing pedestrian signal heads, upgrading existing obsolete pushbuttons and detectors, replacing existing HPS luminaires with LED fixtures and coordinating with the City of Florida City for replacing missing light poles and repairing damaged poles.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12. NAME		13. ROLE IN THIS CONTRACT		14	YEARS EXPERIENCE
Jameson Wilson, PE		Roadway Design	a. TOTAL b. WITH CURRENT FIRM 6 4		b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State)	Johnson, Mirm	niran & Thompson, Inc. ((JMT) For	t Pierce, FL	I
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Civil Engineering, University of S	outh Florida, 2017		17. CURREN Profess	IT PROFESSIONAL REGIS	TRATION <i>(STATE AND DISCIPLINE)</i> FL 97168

Mr. Wilson has over six years of experience in roadway engineering design. His design background includes transportation, water and wastewater systems, and drainage engineering projects. He has experience in temporary traffic control, designing vehicular and pedestrian detours for roadway and traffic safety improvements. Jameson worked extensively on the 119th Street N, 129th Terrace N, and 126th Avenue N Sidewalks project for Pinellas County. He was also involved in Pavement Preservation Program projects and the East Lake Road Study. He is very familiar with AutoCAD Civil 3D and the Pinellas County CADD toolkit, as well as other engineering platforms.

19. KELEVANT PROJEC

a. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Transportation - Professional Engineering Services, Pinellas County, FL Throughout Pinellas County, FL	PROFESSIONAL SERVICES 2019 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm		

Roadway Engineer. JMT was selected as a consultant for Pinellas County's Transportation Engineering Services contract, which spans five years. Projects to date include **East Lake Road from South of Curlew Road to North of Trinity Boulevard** feasible analysis for innovative intersection alternatives for improving capacity, traffic flow, and safety along the corridor. **Pavement Management.** JMT assisted the County's pavement management program by providing resurfacing plans for over 20 roadway corridors and neighborhoods that will get completed within the next year. **Henry Lane reconstruction.** This project consists of Henry Lane, and three connecting streets, Ontario Avenue, Avery Avenue, and Ohio Avenue. Henry Lane and Ontario Avenue are being reconstructed to add drop curb on the outside to better channelize water flow to the proposed drainage structures being installed at the low point of Henry Lane and Ontario Avenue. **58**th **Avenue North** from 66th Street North to 62nd Street North. The work includes reconstructing of the roadway, and the addition of curb and gutter with guardrail replacement in order to minimize impacts to the existing ditch.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Miscellaneous Professional Services for Transportation Development & Design Engineering Services, Hillsborough County, FL. Hillsborough County, FL	PROFESSIONAL SERVICES 2017 - Ongoing	CONSTRUCTION <i>(if applicable)</i> Varies	
(2) DRIFE DESCRIPTION (Print group and and MAD SDECIFIC DOLE	Chack if project performed with current firm		

Roadway Engineer. JMT has been under similar contracts with Hillsborough County continuously for nearly 20 years. These projects have included intersection safety reviews and operational improvements, roadway resurfacing and ADA improvements, a roundabout, complete streets projects, traffic operations design, drainage improvements, school safety improvements, construction inspection, master planning for sidewalk and intersection improvement programs, and shared use paths.

c. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED		
Districtwide Safety Studies and Minor Design, FDOT District 7 Throughout FDOT District 7, FL	PROFESSIONAL SERVICES CONSTRUCTION (if applicable), 2017 - Ongoing Varies		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm		

Roadway Engineer. JMT is providing studies and design for traffic safety projects and operational improvements under this contract. Recent design tasks include SR 579 (Dr MLK Jr Boulevard) at N 26th Street signal design, US 92/Hillsborough Avenue PHB installation, US 19 pedestrian signals, US 92/Hillsborough Avenue lighting design, SR 573/S Dale Mabry Highway lighting design, N 21st Street/N 22nd Street wrong way driving plans, enhanced curve signing and marking design plans, arterial wrong way driving signing and pavement marking plans, US 19 midblock crosswalks, and the signalized missing crosswalk initiative.

d. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
US 41/SR 45/Nebraska Avenue Median Improvements, FDOT District 7 Tampa, FL	PROFESSIONAL SERVICES 2019 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Roadway Engineer. The purpose of this federally funded project is to provide urban corridor improvements to increase safety for all road users regardless of method of transportation. These include mid-block crossings at various locations, PHB's and RRFB's, refuge islands, lighting, sidewalks, intersection improvements, curb ramp upgrades, drainage improvements, and raised medians and curb bulb-outs. The improvements start at Kennedy Boulevard extending north to just short of East Arctic Avenue.

E. RESUMES OF KEY PERSONNEL PRO	POSED FOR TH	IS CONTRAC	т	
(Complete one Section E for 12 NAME 12 POLE IN THIS CONT	<i>each key person.)</i>		14 8	
Steven Haines, PE, LEED AP BC+C Construction Bidding & Pro	Managemei Sposal Evalu	nt Iation	a. TOTAL	b. WITH CURRENT FIRM 11
15. FIRM NAME AND LOCATION (<i>City and State</i>) Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Pierce	e, FL		
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Mechanical Engineering, University of Florida	17. CURRENT PROF	essional regis ⁻ Engineer	TRATION <i>(STATE AND DISC</i> FL 71522; LEED A	<i>CIPLINE)</i> AP (BD+C) 10232666
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Haines has 18 years of Construction Engineering & Inspection (CEI) a worked for the Florida Department of Transportation, District 4 as Area His experience includes CEI services on a variety of roadway projects ar resurfacing, bridge rehabilitation and replacement, utility installation, o projects, and contracts in the Treasure Coast region. Mr. Haines' extensive his role as Sr. Project Engineer.	and personne Engineer in t nd municipal/ commercial a ve manageme	l managen he Treasur LAP projec nd residen ent and pro	nent and develop e Coast area as w tts, including road tial site developr ject experience b	ment experience. He has vell as the private sector. dway reconstruction and nent. He manages staff, rings significant value to
19. RELEVANT PR	OJECTS			
a. 1) TITLE AND LOCATION <i>(City and State)</i>		DDOFESSIONAL	(2) YEAR CON	APLETED
County, FL. FDOT District 4	ra, St. Lucie	202	2 - Present	N/A
Sr. Project Engineer. This project includes modifying the existing 2-lane corridor of southern Port St. Lucie. The project includes full roadway reco gutter, and textured), earthwork construction for a new pond and ditch ex- including water/wastewater, lighting, new signalization, landscaping & in Reference: Mark Freeman, Treasure Coast Operations Project Manager. (e undivided t onstruction and cavation, a no rrigation, etc. 772) 429-490	o a 4-lane nd widenin ew closed c Constructi 4.	urban roadway ig, concrete (side drainage system, ion Value - \$11.5	on a critical north-south walk, driveway, curb and extensive utility relocates M; Duration — 709 days.
b. 1) TITLE AND LOCATION (City and State)	, , ,	•	(2) YEAR COM	MPLETED
St. Lucie County Bridge Repairs (Project 18501 PH II, 11 Mile Rd or Creek) St. Lucie County	ver 10-Mile	PROFESSIONAL	services 2022	CONSTRUCTION <i>(if applicable)</i> 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		🛛 Check if pi	roject performed with cur	rent firm
Sr. Project Engineer. JMT provided CEI services to St. Lucie County to included pile jackets, joint and spall repair on deck, expansion joint replace conduit repairs. Approximate Construction Contract Value – \$540,763; Du Project Manager, (772) 216-2586.	repair the 11 ement, riprap ıration — 155	. Mile Rd. rubble, mi Days. Refei	bridge over 10-N lling and resurfac rence: Michael Ha	Aile Creek. Project items ing, and bridge mounted nvey, EI, St. Lucie County
c. 1) TITLE AND LOCATION <i>(City and State)</i>			(2) YEAR COM	MPLETED
Alcantarra Boulevard Sidewalk Project City of Port St. Lucie		PROFESSIONAL	services 2023	CONSTRUCTION <i>(if applicable)</i> 2023
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if pr	oject performed with curre	nt firm
Sr. Project Engineer. JMT is providing CEI services to the City of Port St. SW Alcantarra Boulevard from SW Savona Boulevard to SW Port St. Luci surfaces at side street intersections, new signage and existing sign relocated PSL Boulevard, swale liner installation, drainage improvements, and se Duration – 150 Days. Reference: Frank Knott, City of Port St. Lucie Project	Lucie to insta e Boulevard. tions, curb an sodding. App t Manager, (7	II a 6 ft. wie Other proje d gutter at roximate (772) 344-42	de concrete sidev ect items include the outside right Construction Con 290.	valk on the south side of new detectable warning -hand turn lane near SW tract Value – \$463,225;
d. 1) TITLE AND LOCATION <i>(City and State)</i>			(2) YEAR COM	MPLETED
SW Import Drive Sidewalk Phase I City of Port St. Lucie		PROFESSIONAL	SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if pr	oject performed with curre	nt firm
Sr. Project Engineer. JMT provided CEI services to the City of Port St. Lucie Dr. from Oakwood Rd. to Inca Terrace. Other project items included du replacement, updated signage, and striping of crosswalks. Approximate Reference: Frank Knott, City of Port St. Lucie Project Manager, (772) 344-	e to install a 6 riveway and 6 e Construction 4290.	ft. wide con culvert rep n Contract	ncrete sidewalk o lacement, swale Value – \$644,92	n the west side of Import realignment, cross drain 3; Duration — 180 Days.

E. RE	SUMES OF KEY PERSONNEL PROPOSED FOI (Complete one Section E for each key perso	R THIS CONTRA n.)	ACI		
12. NAME Ryan Bogan DE	13. ROLE IN THIS CONTRACT Cianal & Liabting Da	sian		14. YEARS EXPERI	IENCE
Ryan boyan, PE	Signing & Pavement	Markings	13	D. WITT	3
15. FIRM NAME AND LOCATION <i>(City and State)</i>	nson, Mirmiran & Thompson, Inc	. (JMT) Ta	ampa, FL		
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFI	ESSIONAL REGISTRATIO	N <i>(STATE AND DI</i> S	SCIPLINE)
BSE, Civil Engineering, Auburn University, 20	10	Professional	Engineer FL 8	2217, GA 04	45068
traffic analysis, as well as access management Districtwide Safety and Lighting Design Con Management Department and Traffic Operation plans, signalization plans, ITS device plan communications plans, safety studies, traffic ITS standards and specifications, concept of operation a. 1) TITLE AND LOCATION (<i>City and State</i>) SR-811/NE 4th Avenue (Dixie Highway) fro 26th Street, Broward County, FL. FDOT D (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC RC Signing & Pavement Markings Engineer. JMI lane elimination/complete streets project alor the roadway from a 5-lane typical section to outs, upgrading existing lighting to LED lum TTCP, scheme, that requires constant coordin	nt and FDOT permit reviews. He prev tract. He also has provided multiple ons. His skill set includes preparing co as and networks, traffic incident r analysis, roundabout feasibility analy operations, and construction cost esti 19. RELEVANT PROJECTS IM SR-838/Sunrise Boulevard to NE istrict 4 IE T served as the FDOT District 4 Own as SR 811 within the Cities of Fort Lau a 3-lane divided section, with wider inaires, signalization upgrades, tree	PROFESSION 2 PROFESSION 2 Check er's represen derdale and V sidewalks, b disposition, a	d as the Deputy site support for e construction d , advanced tra ess managemen (2) YEA (2) YEA	PM for the the FDOT rawing pack iffic manag nt studies, I CONSTR COMPLETED CONSTR for the cor The scope in the scope in the scope in the scope in the scope in the scope in the scope in the scope in the scope in the scope in th	E FDOT District 2 District 7 Acces cages for lighting ement systems TS master plans TS master plans RUCTION (<i>if applicable</i>) 2020
Project was awarded 2020 FTBA Best in Cons	truction for MOT and 2020 FHWA Na	tional Roadv	vay Safety Awar	d.	
b. 1) TITLE AND LOCATION (City and State)		PROFECCION	(2) YEA	R COMPLETED	NUCTION (Genetice http)
SR-838/Sunrise Boulevard from I-95 to SR- FDOT District 4	5/US-1, Broward County, FL	PROFESSION	2021 - 2024	CONSTR	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC RC	LE District 4 to perform milling and rose	Check	if project performed with	n current firm	unrise Roulevar
in Fort Lauderdale, FL. JMT will evaluate improvements include reconstructing substa signage; retrofitting lighting at the signalize regrade/performing minor widening as need	and implement the recommended ndard and damaged curb ramps; re d intersection of NW 13th Avenue; r ed; and upgrading signals (replacing	improvemen placing pave relocating inl substandard	ts as prescribe ment markings lets within cross l pedestrian fea	d by FDOT and damag swalks and tures at cross	District 4. The ged/substandard ADA ramps and sswalks).
c. 1) TITLE AND LOCATION <i>(City and State)</i>			(2) YEA	R COMPLETED	
SR 9336 / SW 344th Street/Palm Drive from 1, FDOT District 6 Miami-Dade County, FL	n SW 192nd Avenue to W of SR 5/U	S-	NAL SERVICES 021 - 2023	CONSTRUCT	TION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC RC	LE	🛛 Check	if project performed with	n current firm	
Senior Traffic Engineer. JMT provided design of a rural flush-shoulder two-lane, two-way so 6 Ave to US-1). The project included milling	services on this 3R project with safet ection from SW 192 Ave to NW/SW 6 and resurfacing, intersection improve	y and multin Ave, and an ι ements to im	nodal enhancen urban curb and g nprove operatio	nents. The c gutter sectic ns and safe	corridor consists on from NW/SW oty, constructing

and alighting pads for bus stops, installing a 12'-wide shared used path in the rural segment of the corridor and widening existing sidewalks from 5' to 10' in the urban segment to provide connectivity to the Miami-Dade Busway, upgrading all existing signing and pavement markings to meet current standards, installing bulb outs at crosswalks and on-street parking locations, installing pedestrian signal heads, upgrading existing obsolete pushbuttons and detectors, replacing existing HPS luminaires with LED fixtures and coordinating with the City of Florida City for replacing missing light poles and repairing damaged poles.

E	E. RESUMES OF KEY PERSONNEL PROPOSE (Complete one Section E for each k	ED FOR THIS CONT	RACT	
12. NAME	13. ROLE IN THIS CONTRACT		14.	YEARS EXPERIENCE
Paul Marotta, PE	Structural Design	n Engineer	a. TOTAL 14	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State)	Johnson, Mirmiran & Thompsor	n, Inc. (JMT) I	Fort Pierce, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) MS, Civil Engineering, Johns Hopkins Un BS, Civil Engineering, University of Delay	iversity, 2016 vare 2012	17. CURRENT PI Profession	ROFESSIONAL REGISTRATION TAL Engineer FL 910	(STATE AND DISCIPLINE))71

Mr. Marotta has 14 years of experience in bridge design, inspection, and evaluation, covering a variety of assignments of highway bridges and structures in FL, MD, DE, PA, VA, DC, SC, NJ, and NY. His experience covers a variety of assignments, including the inspection, repair, rehabilitation, and new design of highway bridges, culverts, retaining walls, noise walls, overhead sign structures, mast arms, and other roadside structures. He has extensive knowledge of FDOT miscellaneous structures software, manuals, standard plans, and specifications and is familiar with designing and analyzing mast arms and strain poles for traffic signal supports, overhead sign structures, sign support spread footings and box culverts.

19. RELEVANT PROJECTS		
a. 1) TITLE AND LOCATION <i>(City and State)</i> (2) YEAR COMPLETED		COMPLETED
Partin Settlement Road from Neptune Road to Lakeshore Boulevard Osceola County, FL	PROFESSIONAL SERVICES 2020 - Ongoing	construction <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE		n current firm

Structural Project Engineer. This project involves an alternative evaluation (Part A) followed by development of design plans for construction (Part B) of Partin-Settlement Road from Neptune Road to Lakeshore Boulevard. The total project length is approximately 2.7 miles. The road will be reconstructed as a four-lane divided highway with multimodal accommodations, drainage improvements, reconstruction of the five signalized intersections, new ITS backbone network and full CCTV coverage, modification/replacement of a double box culvert over Fish Lake Canal, full corridor street lighting.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR C	COMPLETED
Wekiva 7B – SR 46 (Wekiva Pkwy) from W of Center Rd to I-4 Seminole County, FL (FDOT District 5)	PROFESSIONAL SERVICES 2016 - 2019	CONSTRUCTION <i>(if applicable)</i> 2019 - 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with	current firm

Structural Engineer. JMT designed the widening and reconstruction of SR 46 into a 6-lane divided urban roadway to tie into the recently completed I-4/SR 46 interchange. The improvements were part of FDOT's Central Florida Beltway. The project's typical section included a raised median, three travel lanes in each direction, turn lanes, bike lanes, curbs and gutters, and a sidewalk. Mr. Marotta was responsible for assisting in developing plans and design calculations for one new overhead cantilever VMS structure, 7 new mast arm structures, one existing mast arm, and 4 light pole spread footing foundations using various FDOT structures software.

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Orange Boulevard (CR 431) Safety & Drainage Improvements Seminole County, FL	PROFESSIONAL SERVICES 2018 - Ongoing	CONSTRUCTION <i>(if applicable)</i> (estimated) late 2025
(3) BRIEF DESCRIPTION (Brief scope, size, cast, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Senior Structures Engineer. Orange Boulevard (CR 431) safety improvements from SR 46 to Monroe Road included the reconstruction of three miles of an existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail. This contract consisted of a Preliminary Engineering Study to evaluate alternatives, followed by a final design component to prepare final construction plans. Mr. Marotta was responsible for developing plans, structural calculations, and engineers' estimate for the widening of 68ft long 2-span reinforced concrete slab bridge 774059, the new 6'x4' dual cell reinforced concrete box culvert S-90, and the 6'x3' reinforced concrete box culvert S-310/S-313/S-314 extension.

d. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
SR5/US 1/S. Dixie Highway from north of SW 80 th to south of Riviera Ave., Miami-Dade County, FL (FDOT District 6)	PROFESSIONAL SERVICES 2019 - 2021	CONSTRUCTION <i>(if applicable)</i> 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with	current firm

Structural Engineer. The purpose of this project was to restore, resurface, and rehabilitate the existing pavement along the SR 5 corridor between SW 80 Street and Riviera Drive. JMT provided structural engineering design services including mast arm analysis, designed new barrier walls and foundations to protect overhead ITS structures, guardrail-to-bridge anchorage/traffic railing replacement, and bridge joint replacement. Mr. Marotta was responsible for analyzing, designing, and preparing reports and contract plans for seven mast arms supported on drilled shaft foundations and for preparing plan details for minor bridge rehabilitation and traffic barrier modifications.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)				
12. NAME	13. ROLE IN THIS CONTRACT		14. YEAR	S EXPERIENCE
Michael Priory, PE	Roadway Design		a. TOTAL	b. WITH CURRENT FIRM
	je je j		35	5
15. FIRM NAME AND LOCATION (<i>City and State</i>) Johnson, Mirmiran & Thompson, Inc. (JMT) Fort Lauderdale, FL				
16. EDUCATION (DEGREE AND SPECIALIZATION) MBA, Business Administration, Illinois Institute of Technology, 1991 BS, Civil Engineering, Bradley University, 1985			on <i>(state and discipline)</i> 50614	

Mr. Priory has 35 years of transportation engineering experience including intersection, road, and highway design, rest area building improvements and parking expansion, engineering studies, value engineering, and construction administration. This experience has made him proficient in project management, the preparation of community awareness plans, typical section packages, pavement design packages, engineer's estimates, and computation books. Mr. Priory also served as the in-house Project Management Support for the FDOT's District 4 office. Mr. Priory is proficient in the use of software, such as MicroStation CADD and Primavera.

District 4 office. Mr. Priory is proficient in the use of software, such as MicroStation	n CADD and Primavera.		
19. RELEVANT PROJECTS			
a. 1) TITLE AND LOCATION (City and State)	(2) YEA	R COMPLETED	
Continuing Services Contract for Project Design FDOT District 4	PROFESSIONAL SERVICES 2022 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	Check if project performed with	n current firm	
QA/QC Manager. This contract is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety			

projects including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. Tasks include roadway projects in Martin County, as well as resurfacing and bridge rehabilitation projects.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
SR-80/Southern Boulevard Ramps and SR-7/US-441, Palm Beach County, FL FDOT District 4	PROFESSIONAL SERVICES 2020-Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Project Manager. JMT is providing design services at the single-point urban interchange of an 8-lane section of SR 7/US 441 and the SR 80 corridor, a SIS facility, to deliver intersection-level operational and capacity improvements, including triple left turns and dual right turns for the East Bound and West Bound SR 80 ramps and dual right turns on North Bound and South Bound SR 7. The project includes widening of the C-51 bridges, signalization, lighting, and drainage improvements.

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
SR 9336 / SW 344th Street/Palm Drive from SW 192nd Avenue to W of SR 5/US- 1 Miami-Dade County, FL (FDOT District 6)	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with cur	rent firm

QA/QC Manager. JMT provided design services on this 3R project with safety and multimodal enhancements. The corridor consists of a rural flush-shoulder two-lane, two-way section from SW 192 Ave to NW/SW 6 Ave, and an urban curb and gutter section from NW/SW 6 Ave to US-1). The project included milling and resurfacing, intersection improvements to improve operations and safety, constructing paved shoulders adjacent to the travel lanes, reconstructing/adding sidewalk, upgrading pedestrian curb ramps, constructing boarding and alighting pads for bus stops, installing a 12'-wide shared used path in the rural segment of the corridor and widening existing sidewalks from 5' to 10' in the urban segment to provide connectivity to the Miami-Dade Busway, upgrading all existing signing and pavement markings to meet current standards, installing bulb outs at crosswalks and on-street parking locations, installing pedestrian signal heads, upgrading existing obsolete pushbuttons and detectors, replacing existing HPS luminaires with LED fixtures and coordinating with the City of Florida City for replacing missing light poles and repairing damaged poles.

d. 1) TITLE AND LOCATION (City and State)

SR-838/Sunrise Boulevard from I-95 to SR-5/US-1, Broward County, FL FDOT District 4	PROFESSIONAL SERVICES 2021 - 2024	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with curre	ent firm

Project Manager. JMT was selected to perform milling and resurfacing for the existing pavement on Sunrise Boulevard. JMT evaluated and implemented the recommended improvements which included reconstructing curb ramps; replacing pavement markings and signage; retrofitting lighting; relocating inlets within crosswalks and ADA ramps and regrade/performing minor widening; and upgrading signals.

E. RESI	UMES OF KEY PERSONNEL PROPOSED FOR THIS CONT (Complete one Section E for each key person.)	RACT	
12. NAME	13. ROLE IN THIS CONTRACT	14. Y	EARS EXPERIENCE
Joseph Gerum, PE, PTOE, RSP1	Traffic Calming Bike & Ped Design	a. TOTAL 10	b. with current firm 6
15. FIRM NAME AND LOCATION (City and State) John	son, Mirmiran & Thompson, Inc. (JMT)	Fort Pierce, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Civil Engineering, Florida Atlantic Universi	ity, 2014 17. CURRENT PROFESSIONAL REGIST Professional Engineer 8571 Professional Traffic	RATION (STATE AND DISCIPLIN FL 885501 Road Safe C Operations Enginee	E) ty Professional Level 1 er 5579

Mr. Gerum has 10 years of experience as a roadway and traffic design engineer which includes development of roadway plans, traffic control plans, signing and pavement markings plans, utility coordination, traffic signal plans, and technical reports/packages (RRR, pavement design, typical sections). In addition, Mr. Gerum specializes in traffic safety and has completed safety assessments for roadways throughout Florida.

19. RELEVANT PROJECTS		
a. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMP	PLETED
SR 826/Sunny Isles Boulevard from NE 35th Avenue to SR A1A/Collins Avenue, Miami-Dade County, FL	PROFESSIONAL SERVICES 2018 - 2020	CONSTRUCTION <i>(if applicable)</i> 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current	t firm

Traffic Engineer for this 3R project with safety improvements within an urban segment of SR 826 in the City of Sunny Isles Beach, FL. The project proposes to mill and resurface the bifurcated segment of SR 826 from east of the Intracoastal Waterway to SR A1A, including all inner and outer loop ramps; the scope includes reconstruction of substandard pedestrian ramps, upgrading/installing guardrail and end treatments, signing and pavement markings, signalization improvements (new mast arm at NE 35th Avenue and new pedestrian features at mid-block crossing on EB SR 826), and safety enhancements at N Bay Road and several ramps to reduce crashes.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
SR 811/NE 4th Avenue/Wilton Drive (Dixie Highway) from SR 838/Sunrise Boulevard to NE 26th Street, Broward County, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief score size cast etc. JAND SPECIFIC ROLE	Check if project performed with curre	ent firm

Traffic Engineer. JMT served as the FDOT District 4 Owner's representative and EOR for the construction of this lane elimination/complete streets project along SR 811 within the Cities of Fort Lauderdale and Wilton Manors. The scope involved reducing the roadway from a 5-lane typical section to a 3-lane divided section, with wider sidewalks, buffered bike lanes, on-street parking, bulb-outs, upgrading existing lighting to LED luminaires, signalization upgrades, tree disposition, and irrigation improvements, and a Level 2 TTCP scheme that requires constant coordination with the municipalities, local businesses and the nearby Fort Lauderdale High School. Project was awarded 2020 FTBA Best in Construction for MOT and 2020 FHWA National Roadway Safety Award.

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Orange Boulevard (CR 431) Safety Improvements Seminole County, FL	PROFESSIONAL SERVICES 2018 - Ongoing	CONSTRUCTION <i>(if applicable)</i> (estimated) late 2025
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with cur	rent firm

Traffic Engineer. JMT was selected for this safety improvement project, which involves roadway, drainage, and safety improvements along three miles of Orange Boulevard (CR 431) from SR 46 to Monroe Road in Sanford, FL. The project site extends from a busy intersection through residential neighborhoods to an industrial area near Interstate-4 (I-4). The project includes road-widening (existing two-lane rural section to a two-lane urban section with sidewalks and a 10-foot trail), traffic flow improvements, pedestrian features, bridge replacement over the Lockhart Smith Canal, and drainage improvements, including placement/installation of 6-8 water-treatment facilities.

d. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Partin Settlement Road Reconstruction Osceola County, FL	professional services 2020 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if pr2008oject performed with current firm	

Traffic Engineer of Record. JMT was selected to provide design services to Osceola County, FL, on the Partin Settlement Road project in Kissimmee. This project consists of an alternative evaluation (Part A of this scope has been completed) followed by the development of design plans for construction (Part B) of Partin Settlement Road, from Neptune Road to Lakeshore Boulevard. The total project length is approximately 2.7 miles. The road will be reconstructed as a four-lane divided highway with multimodal accommodations, drainage improvements, modifications of the signalized intersections, upgrading ITS, modification/replacement of a double box culvert over Fish Lake Canal, street lighting, and landscaping.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME	13. ROLE IN THIS CONTRACT	14.	YEARS EXPERIENCE
Anthony Chaumont, PE, RSP1	Traffic Studies & Planning	a. TOTAL 19	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (<i>City and State</i>) Johnson, Mirmiran & Thompson, Inc. (JMT) Tampa, FL			
16. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) BS, Civil Engineering, University of South Flori	da, 2004 17. CURRENT PRO Brofessiona Road Safety	FESSIONAL REGISTRATION (37) I Engineer: FL 72473 1 Professional – Leve	ate and discipline) I 1: 404

Mr. Chaumont has over 19 years of experience in traffic operations and traffic safety engineering. He worked for the FDOT for two years as a Studies Specialist, fielding citizen requests and conducting traffic signal-related studies. He served as a Project Engineer on a variety of projects for FDOT Districts 1 and 7, local county and city engineering, and police agencies. He has served as a Project Engineer and Project Manager on a variety of traffic engineering projects for FDOT Districts 1 and 7 and local county and city engineering and police agencies. His specialty is in traffic safety, and he has led safety efforts throughout the state.

19. RELEVANT PROJECTS		
a. 1) TITLE AND LOCATION <i>(City and State)</i> (2) YEAR COMPLETED		OMPLETED
Districtwide Safety Studies and Minor Design, Tampa, FL FDOT District 7	PROFESSIONAL SERVICES CONSTRUCTION (<i>if applicable</i>) 2017 - Ongoing N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with cur	rent firm

Project Manager. JMT is providing studies and design for traffic safety projects and operational improvements. Recent tasks include engineering support services, severe crash location reviews, road safety audits and safety assessment reports, Pasco Countywide Bicycle Safety Action Plan, corridor lighting prioritization safety reviews and studies, pedestrian/bicycle engineering safety initiative, mid-block crossing studies, and analyses for additional crossings at signalized intersections. Design tasks include Dale Mabry Highway Lighting, Signal installation at SR 574 (MLK) at 26th Street, Hillsborough Avenue HAWK installation, and US 19 pedestrian improvements.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Districtwide Safety Study and Minor Design, Bartow, FL FDOT District 1	PROFESSIONAL SERVICES 2018 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

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

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Professional Engineering Services for Traffic and Road Safety, Tampa, FL Hillsborough County	PROFESSIONAL SERVICES 2023 - Ongoing	construction <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with curre	ent firm

Project Manager. JMT was selected to provide studies and design for traffic safety and operations for roads and streets under this contract for Hillsborough County. Recent tasks performed throughout the County include signal warrant studies, network safety studies, pedestrian crossing studies, pedestrian crosswalk signal designs, temporary traffic control plans, and lighting studies.

d. 1) TITLE AND LOCATION (City and State)
Districtwide Community Traffic Safety Team (CTST) Contract. FL

ctwide Community Traffic Safety Team (CTST) Contract, FL District 7	PROFESSIONAL SERVICES 2019 - 2023	CONSTRUCTION <i>(if applicable)</i> N/A
DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	Check if pr2008oject performed with current firm	

Task Manager. This five-year contract consisted of providing design support to the Department and local agencies throughout District 7 for on-system and off-system safety improvement projects, including corridor and intersection projects. He was responsible for providing constructability and feasibility analyses, developing innovative safety solutions, and performing studies and analyses.

e. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Complete Streets RSAs, FL FDOT District 7	PROFESSIONAL SERVICES CONSTRUCTION (77 2018 - 2023 N/A		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if pr2008oject performed with current firm		

Project Engineer. This study consisted of coordinating and conducting RSAs at seven high crash locations along District Seven roadways. The RSAs included the development of short-term, mid-term, and long-term recommendations based on stakeholder coordination, historical crash data reviews, and team field observations while focusing on bicycle and pedestrian safety. Additionally, aspirational context-based target speeds were identified for each corridor.

(3) BRIEF

E. RESUMES	OF KEY PERSONNEL PROPOSED FOR THIS	CONTRACT		
12. NAME	13. ROLE IN THIS CONTRACT	,	1	4. YEARS EXPERIENCE
Matthew Knight, PE	Traffic Studies & Plannin	ng	a. TOTAL 5	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION <i>(City and State)</i> Johnson, M	irmiran & Thompson, Inc. (J	JMT) Tan	npa, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Civil Engineering, University of Florida, 2019	17. CUR Profe		onal registration <i>(s</i> gineer: FL 9783	TATE AND DISCIPLINE) 9
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training Mr. Knight is a graduate of the University of Florida v studies (signal warrants, data collection, future year design, traffic modeling (HCS+, Synchro / SimTraffic, S	g, Awards, etc.) vith a Bachelor of Science in Civ design alternatives, speed/trave Sidra), design, cost estimates, an 19. RELEVANT PROJECTS	vil Engineer el time stud nd intersect	ing. Matthew's dies), data colle tion control eva	experience includes traffic ection, MicroStation CADD Iluation (ICE) studies.
a. 1) TITLE AND LOCATION (City and State)			(2) YEAR	COMPLETED
SR-9336 / Southwest 344th Street/Palm Drive from of SR-5/US-1, Miami-Dade County, FL FDOT District	SW 192nd Avenue to West t 6 (FM No.445992-1-32-01)	PROFESSIONAL	21 - 2023	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		🛛 Check if pr	oject performed with cu	irrent firm
Traffic Engineer. JMT provided design services on this flush-shoulder two-lane, two-way section from SW 19	3R project with safety and multi 2 Ave to NW/SW 6 Ave, and an	imodal enh urban curb	ancements. The and gutter see	e corridor consists of a rural tion from NW/SW 6 Ave to
US-1). The project included milling and resurfacing, shoulders adjacent to the travel lanes, reconstructir alighting pads for bus stops, installing a 12'-wide sha from 5' to 10' in the urban segment to provide con markings to meet current standards, installing bulb o upgrading existing obsolete pushbuttons and detecto	intersection improvements to ng/adding sidewalk, upgrading ared used path in the rural segr nectivity to the Miami-Dade Bu uts at crosswalks and on-street rs, replacing existing HPS lumin	pedestrian pedestrian nent of the usway, upg parking loo aires with L	perations and a curb ramps, e corridor and v rading all exist cations, installin ED fixtures and	safety, constructing paved constructing boarding and videning existing sidewalks ing signing and pavement ng pedestrian signal heads, d coordinating with the City
of Florida City for replacing missing light poles and re	pairing damaged poles.			
b. 1) ITILE AND LOCATION (<i>Lity and State</i>)	а. ГI	PROFESSIONAL	(2) YEAR	
FDOT District 7	ра, гс	2017	- Ongoing	N/A
Traffic Engineer. JMT is providing studies and design f include engineering support services, severe crash low Bicycle Safety Action Plan, corridor lighting prioritizat block crossing studies, and analyses for additional cross Signal installation at SR 574 (MLK) at 26th Street, Hills	or traffic safety projects and ope cation reviews, road safety audi ion safety reviews and studies, ssings at signalized intersections sborough Avenue HAWK installa	erational im its and safe pedestrian/ s. Design ta ation, and L	provements for ty assessment /bicycle engine sks include Dal JS 19 pedestria	r this contract. Recent tasks reports, Pasco Countywide ering safety initiative, mid- e Mabry Highway Lighting, n improvements.
c. 1) TITLE AND LOCATION (City and State)			(2) YEAR	COMPLETED
Districtwide Safety Study and Minor Design, Bartow FDOT District 1	v, FL	PROFESSIONAL 2018	- Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Traffic Engineer for this Districtwide contract to perfo data collection, safety studies, lighting justification rep qualifies for HSIP funding.	rm traffic safety studies in supp ports, and benefit-cost/net prese	Check if p oort of the E ent value ar	District 1 HSIP project performed with of District 1 HSIP provide the provided the	urrent firm program. This has included mine if a candidate project
d. 1) TITLE AND LOCATION <i>(City and State)</i>		PROFESSIONAL	(2) YEAR	COMPLETED
Partin Settlement Road Reconstruction Osceola County, FL		2020	- Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		🛛 Check if p	or2008oject performed v	vith current firm
Traffic Engineer. JMT was selected to provide design This project consists of an alternative evaluation (Par construction (Part B) of Partin Settlement Road, from miles. The road will be reconstructed as a four-la modifications of the signalized intersections, upgradir lighting, and landscaping.	services to Osceola County, FL t A of this scope has been com Neptune Road to Lakeshore Bo ne divided highway with mul ng ITS, modification/replacemen	on the Part pleted) follo ulevard. Th timodal ac nt of a doub	tin Settlement I owed by develo e total project commodations ole box culvert o	Road project in Kissimmee. opment of design plans for ength is approximately 2.7 , drainage improvements, over Fish Lake Canal, street

E. RESUMES	OF KEY PERSONNEL PROPOSED FOR THI	S CONTRACT		
12. NAME	13. ROLE IN THIS CONTRACT		14	. YEARS EXPERIENCE
Jason Flick, PE	Maintenance of Traffic Cost Estimates and Specifications	a	. TOTAL 17	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (City and State) Johnson	Mirmiran & Thompson, Inc. (JI	MT) Lake	Marv. FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) MS, Civil Engineering with Transportation Systems BS, Civil Engineering, University of Central Florida	s emphasis, University of Central Flo , 2006	orida, 2008	17. CURRENT PRO DISCIPLINE) Professiona	ofessional registration <i>(state and</i>
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Tra Mr. Flick has more than 17 years of civil and transp engineering projects for the Florida Department or restoration (3R) projects; reconstruction, and new of involvement, drainage design, shared-use path, an	ortation engineering experience in F f Transportation (FDOT). His design construction, including asphalt and c id sidewalk construction.	ilorida. He h experience i concrete pav	as served in a includes resur ement design	n array of roles for various facing, rehabilitation, and , geometric design, public
a 1) TITLE AND LOCATION (City and State)	19. RELEVANT PROJECTS		(2) VEAR (OMPLETED
Partin Settlement Road Reconstruction Osceola County, FL		professional se 2020 -	ervices Ongoing	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE		Check if pr20	08oject performed w	ith current firm
plans for construction (Part B) of Partin Settlem approximately 2.7 miles. The road will be recons improvements, modifications of the signalized int Lake Canal, street lighting, and landscaping. b. 1) TITLE AND LOCATION (<i>City and State</i>)	structed as a four-lane divided hig ersections, upgrading ITS, modificat	Lakeshore hway with r tion/replace	Boulevard. The multimodal amont of a doment of a domen	to design the total project length is commodations, drainage uble box culvert over Fish
Orange Boulevard (CR 431) Safety Improvement Seminole County, FL	s	PROFESSIONAL SE 2018 -	ervices Ongoing	CONSTRUCTION <i>(if applicable)</i> (estimated) late 2025
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if proj	ject performed with	current firm
Project Manager. This safety improvement project Boulevard (CR 431) from SR 46 to Monroe Road neighborhoods to an industrial area near Interstat lane urban section with sidewalks and a 10-foot tra Smith Canal, and drainage improvements, including	t involves roadway, drainage, and in Sanford, FL. The project site ext e-4 (I-4). The project includes road- il), traffic flow improvements, pedest g placement/installation of 6-8 wate	safety impro tends from a widening (e trian feature er-treatment	ovements alo a busy interse xisting two-la s, bridge repla facilities.	ng three miles of Orange ection through residential ane rural section to a two- acement over the Lockhart
c. 1) TITLE AND LOCATION (City and State)			(2) YEAR (COMPLETED
Wekiva 7B – SR 46 (Wekiva Parkway) from west Seminole County, FL (FDOT D5)	t of Central Road to Interstate 4	PROFESSION 2016	nal services - 2019	CONSTRUCTION <i>(if applicable)</i> 2019 - 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if proje	ect performed with cu	urrent firm
Project Manager and Project Engineer. This project tie into the recently completed I-4/SR 46 interchan section included a raised median, three travel lane	t included widening and reconstructing nge. The improvements were part of s in each direction, turn lanes, bike l	ion of SR 46 FDOT's Cer anes, curbs	into a 6-lane itral Florida B and gutters, a	divided urban roadway to eltway. The project typical and sidewalk.
d. 1) TITLE AND LOCATION <i>(City and State)</i>				
Continuing Services Contract for Project Design FDOT District 4		PROFESSIONAL SE	Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if proje	ect performed with cu	urrent firm
Roadway Engineer. This contract is a 5-year, \$5M safety projects including resurfacing, restoration, connectivity, shared-use paths); traffic signalizati signal/crosswalk features); signing and pavement lighting); drainage improvements; ITS improvement improvement projects in Martin County, as well as	I task-work-order driven contract th and rehabilitation (3R); pedestrian on upgrades (ex. replacement of s markings; lighting upgrades (ex. Li ents; bridge rehabilitation; and mis resurfacing and bridge rehabilitatio	nat involves /mobility in span wire as ED retrofit, o cellaneous s n projects.	the design of aprovements ssemblies wit corridor lighti structures. Ta	t concurrent roadway and (ex. bike lanes, sidewalks h mast arms; addition of ng, intersection/crosswalk asks include five roadway

E. RESUMES OF KEY PERSONNEL PROPOSED FOR T	HIS CONTRAC	т	
12. NAME 13. ROLE IN THIS CONTRACT		14. YE	ARS EXPERIENCE
Dan Dan Zhao, PE Bidding & Proposal Evaluation Estimates & Specifications Ut Transit Coordination	n Cost ility/Rail	a. TOTAL 12	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State) Johnson, Mirmiran & Thompson, Inc. (JMT) For	t Pierce, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) 17. CL BS. Civil Engineering, Elevida State University, 2010 Pro-		NAL REGISTRATION (STATE	AND DISCIPLINE)
18. OTHER PROFESSIONAL OUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
Over the past 12 years Ms. Zhao's experience in the FDOT CEI and design fields Specialist to Project Engineer on FDOT projects in Districts 4 and 1. Her cross-functio her excellence in organization, planning, attention to detail in conjunction with her st Ms. Zhao is experienced in industry softwares that include BlueBeam Revu, MAC, Pro-	has progres nal/multi-dis rong writter oject Solve, l	ssed from Inspect sciplined backgrou n, oral and technica Microstation and C	or to Contract Support Ind can be attributed to al communication skills. Geopak among others.
a. 1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COM	PLETED
Continuing Services Contract for Project Design FDOT District 4	PROFESSIONAL 2022	- Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if p	roject performed with currer	nt firm
bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades arms; addition of signal/crosswalk features); signing and pavement markings; lig intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge include five roadway improvement projects in Martin County, as well as resurfacing b. 1) TITLE AND LOCATION (<i>City and State</i>)	(ex. replace ghting upgr e rehabilitati and bridge r	ement of span wire ades (ex. LED ret on; and miscellan ehabilitation proje	e assemblies with mast crofit, corridor lighting, leous structures. Tasks ects. PLEFED
SP. 0326 / Southwast 24/th Stroot/Palm Drive from SW 102nd Avenue to West	PROFESSIONAL	SERVICES	CONSTRUCTION <i>(if applicable)</i>
of SR-5/US-1, Miami-Dade County, FL FDOT District 6	20	21 - 2023	N/A
Highway Engineer. JMT provided design services on this 3R project with safety and rural flush-shoulder two-lane, two-way section from SW 192 Ave to NW/SW 6 Ave, Ave to US-1). The project included milling and resurfacing, intersection improvements shoulders adjacent to the travel lanes, reconstructing/adding sidewalk, upgrading alighting pads for bus stops, installing a 12'-wide shared used path in the rural seg from 5' to 10' in the urban segment to provide connectivity to the Miami-Dade B markings to meet current standards, installing bulb outs at crosswalks and on-stree upgrading existing obsolete pushbuttons and detectors, replacing existing HPS lumit of Florida City for replacing missing light poles and repairing damaged poles.	multimodal and an urba to improve pedestrian ment of the usway, upg t parking loo naires with L	enhancements. The n curb and gutter operations and sa curb ramps, con corridor and wide rading all existing cations, installing p ED fixtures and co	ne corridor consists of a section from NW/SW 6 fety, constructing paved structing boarding and ening existing sidewalks signing and pavement bedestrian signal heads bordinating with the City
c. 1) TITLE AND LOCATION (City and State)		(2) YEAR COM	PLETED
SR-838/Sunrise Boulevard from I-95 to SR-5/US-1, Broward County, FL FDOT District 4	professional	services 21 - 2024	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	🛛 Check if p	roject performed with curr	ent firm
Highway Engineer and Utility Coordinator. JMT was selected by FDOT District 4 to per on Sunrise Boulevard. JMT will evaluate and implement the recommended impre substandard and damaged curb ramps; replacing pavement markings and damage signalized intersection of Northwest 13th Avenue; relocating inlets within crosswa widening as needed; and upgrading signals (replacing substandard pedestrian feature	form milling ovements. T ged/substan alks and AD res at crossy	and resurfacing for the improvements dard signage; ret A ramps and reg valks).	or the existing pavement include reconstructing rofitting lighting at the rade/performing minor

E. RESUMES OF KEY	PERSONNEL PROPOSED F	FOR THIS CO	NTRACT		
12. NAME 13. ROLE IN THIS CONTRACT			14.	YEARS EXPERIENCE	
Jason Evert Environmental Assessments			a. TOTAL 30	b. WITH CURRENT FIRM	
15. FIRM NAME AND LOCATION (City and State) Johnson, Mirm	niran & Thompson, I	nc. (JMT)	Fort	Pierce, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Biology, Hope College, 1993; MS, Biology, University Continuing Education: University of Florida, Botany, 2000 Florida, Conservation Biology, 2001; Univ. of Queensland Ecosystems, 2015	of Florida, 1999; D; University of North d, Tropical Coastal	17. CURRENT PF Authorized Stormwate Inspector Fisheries #	rofession d Goph er, Eros #28385 #2363	nal registration (57) ner Tortoise Ag sion, and Sedim 5; American Fis	ATE AND DISCIPLINE) ent #GTA-00027; FL nentation Control heries Society Associate
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations. Training, Awa	ards, etc.)	1			
Mr. Evert has been performing natural resource research projects involve complex regulatory issues and a signific federal ecosystem restoration projects and dredging pro state/federal government sectors, which afforded him op locations. His role currently comprises project management data collection, ecological research, and writing/editing.	n and analysis, environ ant amount of docume ojects). His experience portunities to work on ent for permitting of tr	mental plar entation, ind is drawn fr projects se ransportatio	nning, cluding om pro et in ma on, nav	and permitting that necessary evious position arine, estuarine igation, and co	for 30 years. Most of his y for NEPA and ESA (e.g. s in both the private and , freshwater, and wetland mmercial projects, in situ
	19. RELEVANT PROJECTS				
a. 1) TITLE AND LOCATION (City and State)				(2) YEAR C	DMPLETED
Orange Boulevard (CR 431) Safety Improvements Seminole County, FL		PROFE	2018 ·	services - Ongoing	construction <i>(if applicable)</i> (estimated) late 2025
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			Check if pro	pject performed with cu	rent firm
Boulevard (County Road 431) near Orlando, Florida, in o bicycle continuity and access throughout the project, and p Mr. Evert documented soils, land use, protected/regulate gopher tortoises and also completed ten wetland deline between residential lots) to high quality (old-growth ha Mitigation Assessment Methods (UMAMs) to determine and relocation of gopher tortoises.	order to improve safet provide a complete set ed species in the projec ations among habitats ardwood swamp adjoi mitigation requiremen	y, address of plans and t area, inclu- ranging fr ning the St ts and cost	drainag d supp uding tom lov t. John ts and d	ge deficiencies, ort documents Florida panther v quality (comp s River). Finally determined the	enhance pedestrian and for letting to construction Florida black bears, and rising invasive species in , he conducted Uniform likely cost for permitting
b. 1) TITLE AND LOCATION (City and State)				(2) YEAR C	OMPLETED
Miscellaneous Professional Services for Transportation Engineering Services, Hillsborough County Hillsborough County, FL	Development & Desig	gn ^{PROFE}	essional 1 2017	services ' - Ongoing	CONSTRUCTION (<i>if applicable</i>) Varies
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			Check if pro	pject performed with cu	rent firm
Senior Environmental Scientist. This contract is a 3-year, S Hillsborough County continuously for nearly 20 years. Ta Public Works Department. Recent assignments have inc roadway resurfacing, ADA and safety reviews, intersection installation, drainage improvements, construction inspect	53 million agreement wask work orders are issuit work orders are issuit uded preliminary engin improvements and dution, and master plannition.	vith the Cou ued from v jineering re esign, roun ing for side	unty. JN arious eports, idabour walk a	AT has been un sections within traffic studies t design, traffic nd intersection	der similar contracts with the Hillsborough County and operational analysis operations design, signa improvement programs.
c. 1) THE AND LOCATION (<i>City and State</i>)		PROFE	ESSIONAL	(2) YEAR CO	CONSTRUCTION <i>(if applicable)</i>
Osceola County Fl			2020) - Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost. etc.) AND SPECIFIC ROLE			Check if pr2	2008oject performed wit	h current firm
Environmental Manager. JMT was selected to provide d Kissimmee. This is the first time JMT has worked with Os consists of an "alternatives evaluation" (Part 'A' of this Sco Scope) of Poinciana Boulevard from Pleasant Hill Road to	lesign services to Osce ceola County, best kno ope) followed by the de o Trafalgar Boulevard. 1	eola County wn for beir evelopment The total pr	r, FL, ong the condition of des conditions of des conditions of the condition of the conditions of the condition of the condi	n the Partin Se home of Walt I ign plans for co ength is approx	ettlement Road project in Disney World. This project nstruction (Part 'B' of this imately 2.7 miles.

	E. RESUMES OF K (Comp	EY PERSONNEL PROPOSED FOR THIS CON lete one Section E for each key person.)	NTRACT		
12. NAME		13. ROLE IN THIS CONTRACT		14.	YEARS EXPERIENCE
Michael Ryan, PE		Drainage Design & Permit	ting a. 1	IOTAL 23	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (City and State)	Johnson, Mirn	niran & Thompson, Inc. (JM	T) Tampa	a, FL	
16 EDUCATION (DECREE AND SPECIALIZATION)			17 CLIPPENT DP	OFFESSIONIAL REGIST	TRATION (STATE AND DISCIPLINE)

BS, Civil Engineering, Florida Institute of Technology, 2001

Professional Engineer | FL 76171

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations. Training, Awards, etc.)

Mr. Ryan has over 23 years of experience in engineering, design, plans preparation, supervising, project management, construction management, and permitting relating to stormwater hydrology, hydraulics, transportation, commercial and residential site development. His experience includes designing and modeling roadway stormwater management and conveyance systems in compliance with FDOT and municipality design criteria. Mr. Ryan has designed stormwater management facilities, culverts and floodplain compensation sites. He has also completed pond siting analysis and coordinated with various water management districts and environmental regulatory agencies to obtain necessary permits.

19. RELEVANT PROJECTS			
a. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Transportation - Professional Engineering Services, Pinellas County, FL	PROFESSIONAL SERVICES 2019 - Ongoing	CONSTRUCTION <i>(if applicable)</i>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with cur	rent firm	

Senior Water Resources Engineer. JMT was selected as a consultant for Pinellas County's Transportation Engineering Services contract, which spans five years. East Lake Road from South of Curlew Road to North of Trinity Boulevard - JMT is providing analysis of feasible alternatives for improving capacity, traffic flow, and safety along the corridor. Deliverables included an existing conditions assessment report, traffic evaluation report, preliminary corridor analysis and alternatives, development study report, final corridor analysis and alternatives development study report, and a public involvement summary.

b. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED		
Stormwater - Professional Engineering Services, Pinellas County, FL	PROFESSIONAL SERVICES 2022 - Ongoing	CONSTRUCTION <i>(if applicable)</i>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with curr	rent firm	

Senior Water Resources Engineer. JMT was selected as a consultant for Pinellas County's Stormwater Engineering Services contract, which spans five years. Curtis Drive Stormwater Improvements - JMT is working on a Preliminary Engineering Report (PER) to determine the causes of frequent flooding and pavement deterioration within an approximately 20-acre subdivision. Vulnerability Assessment – Phase II Data Collection and Updated Flood Resiliency Tool - JMT was tasked with assisting the County in collecting and assimilating geographic information systems (GIS) data to support the vulnerability assessment for Critical and Regionally Significant Asset Inventory, Topographic information and flood scenario-related data is included.

c. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Miscellaneous Professional Services for Transportation Development & Design Engineering Services. Hillsborough County, FL	PROFESSIONAL SERVICES 2016 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current	t firm

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

d. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
General Engineering Services. Southwest Florida Water Management District, FL	2019 - Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with curr	ent firm

Senior Water Resources Engineer. JMT is a current consultant for Chapters C, D, and H of SWFWMD's General Engineering Services contract. This contract allows JMT to work on the specific task items within each Chapter for SWFWMD, as requested. Specifically, for Chapter H, JMT has been performing Peer Review of watershed evaluations, watershed management plans, BMP implementation plans, and watershed management plan updates. Task work orders include the City of Plant City Watershed Management Plan and the Highlands Hammock (Little Charlie Bowlegs) Watershed Management Plan Update.

E. RESUMES O	F KEY PERSONNEL PROPOSED FOR THIS (Complete one Section E for each key person.)	CONTRA	ст	
12. NAME	13. ROLE IN THIS CONTRACT	13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE		. YEARS EXPERIENCE
Steven Collins, PhD, PE	Drainage Design & Permit	a. TOTAL b. WITH CURRENT FIRM 19 8		
15. FIRM NAME AND LOCATION (City and State) Johnson, N	/lirmiran & Thompson, Inc. (JN	IT) La	ke Mary, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) PhD, Biology, Texas Tech University, 2014 MS, Agricultural and Biological Engineering, Univers BS, Biological Systems Engineering, Virginia Tech, 20	ity of Florida, 2005 003	17. CURRE Profess	nt professional regis sional Engineer	tration <i>(state and discipline)</i> FL 80872
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations. Training	ng, Awards, etc.)			
planning, climate resiliency, TMDL/MS4 compliance, I permitting. He has published an empirical model den retention BMP, and water retention as a BMP is now has experience using ArcGIS, HEC-RAS, HEC-HMS, I AutoCAD Civil 3D, and MicroStation.	andscape design, construction insp nonstrating the need for increasing established through the Payment HSPF, Stormwise (ICPR v4), EPA-S	ection, o hydrau for Envi WMM, I	cost estimating, v lic residence tim ronmental Servic PCSWMM, XPSW	vater quality analyses, and e in Florida ditches as a P- es program in Florida. He /MM, TR-20, TR-55, HY-8,
a. 1) TITLE AND LOCATION (City and State)	19. RELEVANT PROJECTS		(2) YEAR (OMPI FTFD
Partin Settlement Road from Neptune Road to Lak Osceola County, FL	eshore Boulevard	rofession 2020	al services) - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check	if project performed with	n current firm
Drainage Engineer. JMT was selected to provide desi of an alternative evaluation (Part A of this scope has B) of Partin Settlement Road, from Neptune Road to performed the H&H analysis and bridge hydraulic rep and HEC-RAS to perform the analyses.	gn services for the Partin Settleme been completed) followed by the c Lakeshore Boulevard. The total pr ort (BHR) for improvements associa	nt Road developr oject ler ated witl	project in Kissin ment of design p ngth is approxim h Partin Settleme	nmee. The project consists lans for construction (Part ately 2.7 miles. Dr. Collins nt Road. He utilized ICPR4
b. 1) IIILE AND LOCATION <i>(City and State)</i>	-		(2) YEAR (CONSTRUCTION (if applicable)
Urange Boulevard (CR 431) Safety & Drainage Imp Seminole County, FL	provements	2018	8 - Ongoing	(estimated) late 2025
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm		
Drainage Engineer. Dr. Collins is the drainage engine Orange Boulevard (CR 431) from SR 46 to Monroe I Collins when he modeled the entire existing drainag proposed ICPR model demonstrates that the proposed SJRWMD criteria for discharges and flood elevations.	eer of record for three miles of new Rd. The design alleviates local floo e network in ICPR. The proposed d osed closed drainage system impu The proposed stormwater network	sidewal ding iss lesign co roves co was als	k and roadway s ues, some of wh ontains eight sto onveyance and r o modeled in Ge	afety improvements along ich were identified by Dr. rmwater facilities, and the neets County, FDOT, and opak Drainage. Dr. Collins

floodplain and scour.

c. 1) TITLE AND LOCATION (City and State)

Parkland Estates and Swann Avenue Drainage Improvements

Parkland Estates and Swann Avenue Drainage Improvements City of Tampa, FL	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

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

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)				
12. NAME	13. ROLE IN THIS CONTRACT	14. YEAF	RS EXPERIENCE	
Derek Doughty, PE, CFM, BC.WRE, ENV SP	Drainage Design & Permitting	a. TOTAL	b. WITH CURRENT FIRM	
15. FIRM NAME AND LOCATION (City and State) Johnson, Mirm	niran & Thompson, Inc. (JMT) Ta	ampa, FL		
16. EDUCATION (DEGREE AND SPECIALIZATION) MS, Water Resources & Environmental Engineering, University of South Florida, 1997 BS, Applied Mathematics, Worcester Polytechnic Institute, 1985 17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer FL 54010 Envision Sustainability Professional 40534 Certified Floodplain Manager/FL US-16-08997				

Mr. Doughty has more than 37 years of diversified civil engineering experience, including 30 years in hydrologic and hydraulic modeling of stormwater conveyance systems and management facilities. Mr. Doughty has extensive experience in watershed management, master planning, land engineering and planning, developments of regional impact, stormwater projects, commercial, single-family and multi-family site development engineering, and roadway design.

19. RELEVANT PROJECTS		
a. 1) TITLE AND LOCATION <i>(City and State)</i> (2) YEAR COMPLETED		
Partin Settlement Road from Neptune Road to Lakeshore Boulevard Osceola County, FL	PROFESSIONAL SERVICES 2020 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Senior Drainage Engineer. JMT was selected to provide design services for the Partin Settlement Road project in Kissimmee. The project consists of an alternative evaluation (Part A of this scope has been completed) followed by the development of design plans for construction (Part B) of Partin Settlement Road, from Neptune Road to Lakeshore Boulevard. The total project length is approximately 2.7 miles.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Orange Boulevard (CR 431) Safety & Drainage Improvements Seminole County, FL	PROFESSIONAL SERVICES 2018 - Ongoing	construction <i>(if applicable)</i> (estimated) late 2025	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with cu	rrent firm	

Senior Drainage Engineer. Dr. Collins is the drainage engineer of record for three miles of new sidewalk and roadway safety improvements along Orange Boulevard (CR 431) from SR 46 to Monroe Rd. The design alleviates local flooding issues, some of which were identified by Dr. Collins when he modeled the entire existing drainage network in ICPR. The proposed design contains eight stormwater facilities, and the proposed ICPR model demonstrates that the proposed closed drainage system improves conveyance and meets County, FDOT, and SJRWMD criteria for discharges and flood elevations. The proposed stormwater network was also modeled in Geopak Drainage

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Parkland Estates and Swann Avenue Drainage Improvements City of Tampa, FL	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Project Engineer. Flooding occurs near West Fountain Boulevard and Audubon Avenue, extending up to Swann Avenue in the City of Tampa. Limited outfall capacity is the primary cause of this flooding. The objective of this project was to analyze the existing primary drainage system connected to this area and develop alternative solutions to reduce flooding. New outfall routes, both with and without storage in the park, were assessed in order to determine the most cost-effective solution. JMT reviewed the City's existing XPSWMM watershed model covering the area and updated it with collected survey data. The model was run to establish baseline conditions for the mean annual, 5- and 10-year/24-hour storm events. Three alternatives that included a new gravity outfall storm sewer system, both with and without storage, were analyzed.

d. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Curtis Drive Drainage Improvements Pinellas County, FL.	PROFESSIONAL SERVICES 2023 - Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with cu	Irrent firm

Project Manager. JMT developed a Preliminary Engineering Report (PER) that evaluated the existing drainage system within the Curtis Drive neighborhood, including the outfall pipe located east of Maple Forest Road, to assess the cause of asphalt cracking in the neighborhood, propose design alternatives to alleviate street flooding for the 10-year design storm event, and provide other stormwater management recommendations. The PER included drainage analysis for flood protection benefits to include H&H model revisions, water quality analysis, 30% project design, permitting/mitigation requirements, a constructability assessment, and construction costs for two alternative designs.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)						
12. NAME		13. ROLE IN THIS CONTRACT			14. YEAR	SEXPERIENCE
David Andre, PE		Geotechnical Engineering		a. TOTAL	30	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (<i>City and State</i>) Andersen Andre Consulting Engineers, Inc. (AACE) Port St. Lucie, FL				, FL		
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Environmental Engineering, Unive	ersity of Florida, 199	3	17. CURRENT PROFES	sional regist ngineer	ration <i>(state a</i> FL 53969	ND DISCIPLINE)

David P. Andre has more than 30 years of experience in the Geotechnical Engineering, Materials Testing and Environmental Consulting field, including 18 years with AACE. David gained extensive and varied experience during his employment with an international Geotechnical and Environmental Consulting firm (Ardaman & Associates, Inc.), where he was Branch Manager for operations in the St. Lucie County office from 2000 to 2006. In addition to managing a staff of 20 engineers, environmental scientists, field and laboratory technicians and administrative personnel, David was responsible for all regional environmental and geotechnical engineering projects as well as construction materials testing services. David then co-founded Andersen Andre Consulting Engineers, Inc. (AACE) in 2006 and currently serves as President and Principal Engineer.

19. RELEVANT PROJECTS			
a. 1) TITLE AND LOCATION (City and State)	(2) YEAR CO	OMPLETED	
Continuing Service Contract, City of Port St. Lucie Port St. Lucie, FL	PROFESSIONAL SERVICES 2016-Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cast, etc.) AND SPECIFIC ROLE	Check if project performed with cur	crent firm	

David was the Contract Manager when AACE maintained a continuing service contract with the City of Port St. Lucie for geotechnical engineering and construction materials testing until 2011 (when the City discontinued all professional service contracts), and then again when the service contracts were reinstituted in 2016. Services that AACE routinely provides for the CPSL include the performance of soil borings (SPT and auger borings), test pits, groundwater studies, roadway coring, embankment suitability studies, and all manner of materials, testing during construction (density & concrete testing). Projects have included City-wide culvert and headwall replacements, roadway explorations and testing, utility installations (including more than 50 miles of water main for PSLUSD), STA construction, municipal building construction, etc. Project budgets have ranged from \$500 to \$500,000.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
PSLUSD City-Wide Water Main Replacement Port St. Lucie, FL	PROFESSIONAL SERVICES CONSTRUCTION (if applied to the service) 2011 Varies	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	Check if project performed with current firm	

David was AACE's Project manager when AACE was requested to provide Geotechnical Consulting and Construction Materials Testing services relative to the expedited replacement of more than 50 miles of water main (ranging from 4-inch diameter to 12-inch diameter mains) throughout the central and eastern portions of Port St. Lucie. Thousands of density tests were conducted on pipe trench backfill. Due to potential impacts to residents and businesses, numerous operations were performed between the hours of 10pm and 6am, requiring a full-time presence by an AACE Senior Field Technician. AACE's budget was approximately \$185,000.

 c.
 1) TITLE AND LOCATION (*City and State*)
 (2) YEAR COMPLETED

 McCarty Ranch Water Quality Restoration Project - Areas 1, 2, 3 & 4
 PROFESSIONAL SERVICES 2018
 CONSTRUCTION (*if applicable*) N/A

 (3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE
 Image: Construction of the construction of th

David served as Project Manager for construction materials testing during construction of Areas 1 through 4 of the McCarty Ranch water impoundment project, and is currently serving in the same role during construction of Area 2. Services which AACE performs include density testing of compacted earthen berms, ditch/canal demucking observations and backfill testing, laboratory gradation testing of sand diaphragm materials, and compressive strength of concrete testing. AACE's budget is approximately \$55,000 for each area (for a total budget of approximately \$220,000).

d. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Floresta Boulevard, Phases 1 and 2 Port St. Lucie, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

David is currently serving as Project Manager for this roadway construction project. As a subconsultant to Culpepper & Terpening, AACE has performed over 1,000 soil/rock density tests during drainage and utility construction as well as roadway widening. AACE Senior Technicians also provide concrete strength testing during construction of the bridge over the Elkcam Waterway. Lastly, AACE Laboratory Technicians have also performed numerous lab tests including Proctors, LBRs, percent-fines, Atterberg Limits and organic content.

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR TH (Complete one Section E for each key person.)	IS CONTRACT
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE
Aaron Wilbur, PLA	Landscape Architecture	a. TOTAL b. WITH CURRENT FIRM 15 9
15. FIRM NAME AND LOCATION (City and State)	Cotleur & Hearing Jupiter, FL	
16. EDUCATION (DEGREE AND SPECIALIZATION) BS. Landscape Architecture	17. CUR Regis	RENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

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 all types of transportation landscape architecture projects, including both roadway component and standalone landscape projects for state, county, and local roadways. 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.

19. RELEVANT HOSECTS		
a. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Continuing Services Contract for Landscape Architecture Design and Production FDOT District 4	PROFESSIONAL SERVICES CONSTRUCTION (if applicable) Ongoing N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Mr. Wilbur is the Prime Consultant Contract and Project Manager for the CA239 (Completed 2023) 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. Mr. Wilbur utilizes his expert project knowledge to aide FDOT in the regular improvement of their standards, manuals, and guidelines. Notable projects currently in various phases of construction or production include I-95 at Fellsmere Rd (446040-1), I-95 at High Meadows Ave (441318-1), I-95 from Sunrise to SW 10th (433108-7), SR 713 Kings Highway North/South (230256-8, 438041-1), I-95 at Spanish River/Yamato Rd. (444344-1), SR 76 Kanner Highway (446033-1), I-95 at SR 70 (449811-1), I-95 at Donald Ross Rd (449255-1), I-95 at St Lucie West (444336-1), I-95 from Okeechobee Boulevard to Indiantown Rd (452292-1), and I-95 at Sample Rd (444404-1). Mr. Wilbur is also the lead landscape inspector for the construction administration (PDS) phases for all projects.

b. 1) TITLE AND LOCATION (City and State

D. 1) THE AND LOCATION (City and State)	(Z) YEAR COMPLETED	
City of Port St. Lucie Gateway and City Signage Project Port St. Lucie Public Works	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Mr. Wilbur was contracted by the City of Port St. Lucie to assist with their city-wide rebranding efforts. Utilizing the City's new logo, Mr. Wilbur and Cotleur & Hearing's skilled landscape and graphic designers created a full conceptual signage package, including 3 unique styles of gateway city welcome signs to be used throughout the city limits. The team utilized these large-scale artistic monuments to create a signage package that includes digital signs, park signs, neighborhood signs, building ID signs, site ID signs, and several combination signs. Conceptual cost estimation was provided for the gateway signs as well as site-specific, photo-realistic renderings of the signs for multiple sites.

c. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Port St Lucie Boulevard (Paar to Darwin) Port St. Lucie, FL – City of Port St. Lucie/ FDOT District 4	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Mr. Wilbur was contracted by the City of Port St. Lucie to assist with their city-wide rebranding efforts. Utilizing the City's new logo, Mr. Wilbur and Cotleur & Hearing's skilled landscape and graphic designers created a full conceptual signage package, including 3 unique styles of gateway city welcome signs to be used throughout the city limits. The team utilized these large-scale artistic monuments to create a signage package that includes digital signs, park signs, neighborhood signs, building ID signs, site ID signs, and several combination signs. Conceptual cost estimation was provided for the gateway signs as well as site-specific, photo-realistic renderings of the signs for multiple sites.

	E. RESUMES OF KEY (Con	PERSONNEL PROPOSED Find	OR THIS CONTRAC	т	
12. NAME		13. ROLE IN THIS CONTRACT		14.	YEARS EXPERIENCE
Kenneth Glass, PSM SUR Chief Surveyor		a. TOTAL	b. WITH CURRENT FIRM		
15. FIRM NAME AND LOCATION (City and State)	CivilSurv Desig	n Group, Inc. Port S	St. Lucie, FL		
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Surveying & Mapping, Universit	ty of Florida, with Hor	nors	17. CURRENT PROFESSION Professional Sur	NAL REGISTRATION (57)	TATE AND DISCIPLINE) Pr FL LS5713

Mr. Glass is a multi-faceted surveying and mapping professional with over 40 years of experience. As the Vice President of Surveying and Mapping Division he has been responsible for managing a team of eight field crews and seven office staff. His expertise includes providing all aspects of survey services required for a wide range of transportation projects. He has been responsible for the production of Florida Department of Transportation Design and Right-of-Way Mapping Surveys for minor design projects such as sidewalk and trails to major interstate design projects. Mr. Glass has experience producing survey products required for multiple types of municipal projects for utility infrastructure expansion, roadway, drainage and building design. In addition to design survey projects, he and his team have completed both Southwest and South Florida Water Management District projects. His team provides subsurface utility exploration services and uses the latest equipment and techniques including terrestrial LiDAR, UAS Mapping to efficiently complete survey and mapping projects.

15. RELEVINI PROJECTS				
a. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED			
District Wide Survey and Right of Way Mapping FDOT District 1	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm			
Mr. Glass is a project manager for these contracts for the seven years and has been the client liaison and overall project manager for this task work order contract. He has prepared scopes, negotiated project budgets, scheduled sub-consultant activities and has been responsible				

for QA/QC of both design and right of way surveys.

b. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
SR5 (US-1) from Pine Street to Cidco Road Brevard County, FL (FDOT District 5)	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> Varies
(3) BRIEF DESCRIPTION (Brief scope, size, cast, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Mr. Glass and CivilSurv prepared the Right-of-Way Monumentation Maps for this 6-mile section of US-1 in Brevard County. They were responsible for establishing the alignment and setting the right of way monuments and preparing the final Monumentation Map, filed in the Brevard County Clerk's Office.

c. 1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
West Contract District Wide Survey and Right of Way Mapping Florida Turnpike Enterprise	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

Mr. Glass is the client liaison and overall project manager for this task work order driven contract. He has prepared scopes, negotiated project budgets, scheduled sub-consultant activities and has been responsible for QA/QC of both design and right of way surveys.

d. 1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
West Landover Sidewalk Hernando County, FL	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(if applicable)</i> N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	Check if project performed with current firm	

This project involved the design of 1.2 miles of new sidewalk along Landover Boulevard from Northcliffe Road to Elgin Boulevard. The County contracted with CivilSurv to complete the design survey utilizing UAS (drone) and photogrammetric mapping methods. CivilSurv's survey deliverable was used by the County's Engineering Department as the basis for design of the new sidewalk.

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT				
20. EXAMPLE PROJECT KEY NUMBER 1				
21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED			
Design Services SR-811/NE 4th Avenue (Wilton Drive) from SR- 838/Sunrise Boulevard to NE 26th StreetPROFESSIONAL SERVICES 2018 - 2020CONSTRUCTION (if applicable) N/A				

23. PROJECT OWNER'S INFORMA

FDOT District 4 b. POINT OF CONTACT NAME C. POINT OF CONTACT TELEPHONE NUMBER (954) 777-4152



JMT was the FDOT District 4 Owner's Representative and EOR for the construction of this **lane elimination/complete streets project** along SR 811 (Wilton Drive) in the cities of Fort Lauderdale and Wilton Manors. The scope involved **reducing the roadway** from a 5-lane typical section to a 3-lane divided section, with **wider sidewalks**, buffered **bike lanes**, on-street parking, bulb-outs, upgrading existing **lighting** to LED luminaires, **signalization upgrades**, tree disposition and irrigation improvements, and a **Level 2 TTCP** scheme that required **constant coordination with the municipalities**, local businesses, and the nearby Fort Lauderdale High School. This project was developed under the Broward MPO Complete Streets Master Plan, and due to the project, the corridor has seen a 50% improvement in travel times with a 66% decrease in bicycle and pedestrian crashes and a 75% reduction in severe-injury and fatal crashes. This project was one of seven that was awarded the *2021 National Roadway Safety Award* in the "Program Planning, Development and Evaluation" and the *2020 FTBA Best in Construction Award* for Maintenance of Traffic

Client: FDOT District 4, 3400 W. Commercial Boulevard, Fort Lauderdale, FL 33309 Contact: Humberto Arrieta, PE – FDOT Project Manager | (954) 777-4152 | <u>Humberto.Arrieta@dot.state.fl.us</u> Dates: 2018 – 2019 Consultant Fee: \$203,440

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) LOCATION	(3) ROLE	
a.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT					
20. EXAMPLE PROJECT KEY NUMBER			2		
21. TITLE AND LOCATION (City and State)		22. YEAR	R COMPLETED		
Professional Engineering Services – Roadway Infrastructure and Lighting Improvements		professional services 2016 - 2019	CONSTRUCTION (if applicable) N/A		
23. PROJECT OWNER'S INFORMATION					
a. PROJECT OWNER City of Parkland, FL	b. POINT OF CONTACT NAME Sowande Johnson, PE	PE (954) 757-4144			

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

This was a task-work-order contract involving a wide variety of services for the City of Parkland. JMT's individual on-call assignments involved the City's **roadway infrastructure rehabilitation** and mixed-use trails to **improve safety** for cyclists and pedestrians, implementing a **pavement management** plan for the City's 70+ lane miles using ArcMap/GIS, and designing new park/recreational facilities and **structures**. JMT also provided **lighting analysis/design** and **surveying and mapping** services for Hillsboro Boulevard, Trails End, Pine Island, and West Hillsboro Boulevard.

Client: City of Parkland, 6600 University Drive, Parkland, FL 33067 Contact: Sowande Johnson, PE – Assist. City Manager | (954) 757-4144 | <u>sjohnson@cityofparkland.org</u> Dates: 2016-2018 Consultant Fee: \$63,745

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) LOCATION	(3) ROLE	
a.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Subconsultant	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT					
20. EXAMPLE PROJECT KEY NUMBER			3		
21. TITLE AND LOCATION (City and State)		22. YEAR	COMPLETED		
Wekiva 7B – SR 46 (Wekiva Parkway) from west of Central Road to Interstate 4, Seminole County, FL		professional services 2016 - 2019	CONSTRUCTION (if applicable) 2019 - 2022		
23. PROJECT OWNER'S INFORMATION					
a. PROJECT OWNER FDOT District 5	b. POINT OF CONTACT NAME Ty Garner	c. POINT OF CONTACT TELEPHONE NUMBER (386) 943-5299			

JMT completed the final design of the roadway, signing and pavement markings, and lighting plans associated with the **widening and reconstruction** of SR 46 to a 6-lane divided urban roadway. The design ties into the recently completed I-4/SR 46 interchange improvements on SR 46 to the east and ties into the proposed Wekiva Section 7A (Orange Boulevard) to the west. The project's typical section includes a **raised median, three travel lanes in each direction, turn lanes, bike lanes, a curb and gutter, a multi-use trail, and a sidewalk.** The project also includes the signalization of four intersections, CAP level 3 Public Involvement, utility coordination, and environmental permitting with FDEP and ACOE. The project is currently under construction and JMT is providing full post-design services to FDOT District 5.



Client: FDOT District 5, 719 South Woodland Boulevard, DeLand, FL 32720 Contact: Ty Garner - In-House Consultant for D5 | (386) 943-5299 | <u>ty.garner@dot.state.fl.us</u> Dates: 2016 – 2024 Consultant Fee: \$2,252,514

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
	(1) FIRM NAME	(2) LOCATION	(3) ROLE			
a.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT				
20. EXAMPLE PROJECT KEY NUMBER		4		
21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED			
Orange Boulevard (CR 431) Safety & Drainage Improvements	PROFESSIONAL SERVICES 2018 - Ongoing	CONSTRUCTION (if applicable) (estimated) late 2025		
23. PROJECT OWNER'S INFORMATION				

a. PROJECT OWNER b. POINT OF CONTACT NAME c. POINT OF CONTACT TALEPHONE NUMBER (407) 665-5714

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)





maps, utility plans, and right-of-way acquisition support.

JMT completed Phase 1 services, consisting of a preliminary engineering study for Seminole County for Orange Boulevard from State Road (SR) 46 to Monroe Road/County Road (CR) 15. The study's objective is to promote safety, address drainage deficiencies, enhance pedestrian and bicycle continuity, and improve access throughout the project corridor.

During the study effort, two alternative typical sections were evaluated a twolane divided urban facility with a center median turn lane and a two-lane undivided urban roadway with only left-turn lanes at selected locations. Both alternatives were determined to accommodate anticipated future travel demands and improve overall safety.

JMT evaluated and developed preliminary horizontal and vertical geometrics for the above two project alternatives within the project limits and prepared Phase I plans to a 30% level of completion. The intent was to identify the approximate right-of-way requirements and estimated costs for each alternative.

Originally, Orange Boulevard had only intermittent sidewalks without shoulders and no dedicated bicycle lanes, which is a preferred route for many bicyclists in Seminole County. To improve safety for pedestrians and bicyclists, the study recommended the addition of a 10-foot multi-use path on the south side of the road, a five-foot sidewalk on the north side, and five-foot bicycle lanes in each direction.

The study was finished in May 2019, and the project is now under final design. This includes preparing roadway, drainage, signing and pavement markings, structures, and bridge widening plans, along with design surveys, right-of-way

A new storm sewer system is being designed to address not only the proposed improvements but also local flooding concerns. An urban section with a curb and gutter will be provided to eliminate existing deep ditches along each side of the travel lanes. The project will require additional right-of-way, and JMT is providing assistance to Seminole County with the property owner coordination and the acquisition effort. The study was delivered on budget and on schedule.

Client: Seminole County, 100 East 1st Street, Sanford, FL 32771 Contact: Jeff Slomann, PE | (407) 665-5714 | jsloman@seminolecountyfl.gov Dates: 2017 – Ongoing Consultant Fee: \$2,334,305

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT					
	(1) FIRM NAME	(2) LOCATION	(3) ROLE		
a	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime		
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT					
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20. EXAMPLE PROJECT KEY NUMBER			5		
21. TITLE AND LOCATION (City and State)			22. YEAR COMPLETE	ED	
Miscellaneous Professional Services for Transportation Development & Design		PROFESSIONAL CONS SERVICES (if ar 2017 - Ongoing		CONSTRUCTION (if applicable) N/A	
	23. PROJECT OWNER'S INFOR	MATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	Γ	c. POINT OF CONTACT TELEPH	ONE NUMBER	
Hillsborough County	Amanda Sotomayor,	PE	(813)	307-1850	

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

JMT has provided general/civil engineering services to Hillsborough County for 25 years. The projects include Preliminary Engineering Reports, roadway resurfacing and ADA improvements, intersection safety and operational improvements, new signals, a roundabout, a complete streets project, school circulation projects, and a shared-use path. The following projects have been done under this current contract:

Nature's Way Boulevard Corridor Improvements: This 1.5-mile **complete streets/traffic calming** design project included the lane repurposing of a four-lane undivided stretch of Nature's Way Boulevard to a two-lane divided roadway with designated bicycle lanes. It was initiated by the homeowners to reduce speeding within the corridor. The raised median included irrigation sleeves for the homeowner's association to install landscaping. Green bike lane and share the road markings were added along the corridor, as well as side streets to accommodate the bicyclists within the community. Construction on this project is complete. **Riverview Drive at US 301:** This **intersection improvement** included a PER to analyze options for an additional southbound left turn lane. The widening of Riverview Drive included the addition of one lane as well as a raised traffic separator. The accommodation was made based on public input to allow for turns into a church on the south side of the road. JMT coordinated with FDOT's signal reconstruction at this location, and the signals were placed to accommodate the widening. The project required significant right-of-way acquisition as well as utility adjustments, including a water main relocation that JMT is designed. This project is currently in post-design.

Bay to Bay Boulevard from Dale Mabry Highway to Bayshore Boulevard: This urban fivelane **resurfacing project** included a PER of the corridor along with a safety and ADA review. Recommendations were made regarding utilities and pedestrian signal improvements in addition to ADA, signing, and pavement milling and resurfacing improvements. The





improvements were constructed with limited survey, which saved both time and design fees. This project was designed in conjunction with the City of Tampa.

Big Bend Road at Summerfield Crossings Boulevard: This intersection was identified as unsignalized and with high cross traffic. Intersection improvements include the addition of a new signal and turn lane improvements. The design includes a survey, roadway, signalization, signing and pavement marking, fiber interconnect, and drainage design services. The project also included developing design plans to connect the intersection into the ATMS network via fiber optic cable. Construction on this project is complete.

Armenia Avenue and Barclay Road Roundabout: Intersection analysis was completed to determine the best treatment at this intersection. A signal warrant was done as well as a roundabout analysis. The recommendation and preferred alternative were to install a single-lane roundabout with a southbound to westbound turn lane. The roundabout was designed to minimize right-of-way acquisition and utility conflicts. Pedestrian facilities were upgraded along Armenia Ave. and around the roundabout. This project is at the Final Design stage. Big Bend Road at Heritage Greens Parkway: JMT has designed improvements to Big Bend Road from Heritage Greens Parkway to Summer Brook Place. The improvements consist of widening Big Bend Road to accommodate an eastbound left turn lane and an additional westbound lane, retrofitting existing and connecting pedestrian facilities that are inaccessible or unusable, relocating the signals at the signalized

intersection at Southshore Charter Academy, and modifying an existing roadside ditch.

Client: Hillsborough County, 601 East Kennedy Boulevard, Tampa, FL 33602

Contact: Amanda Sotomayor, PE | (813) 307-1850 | sotomayora@hillsboroughcounty.org

Dates: 2017 - Ongoing

Consultant Fee: \$5M

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT					
	(1) FIRM NAME	(2) LOCATION	(3) ROLE		
а.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT				
20. EXAMPLE PROJECT KEY NUMBER		6		
21. TITLE AND LOCATION (City and State)		22. YEAR CC	OMPLETED	
Design Services SR-80/Southern Boulevard Ramps and SR-7/US-441		PROFESSIONAL SERVICES 2020 - Ongoing	CONSTRUCTION (if applicable) N/A	
	23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER FDOT District 4	b. POINT OF CONTACT NAME Anson Sonnett, PE	c. point of contact telephone (954) 77	NUMBER 77-4474	

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)



JMT is providing design services at the single-point urban interchange of an 8-lane section of SR-7/US-441 and the SR-80 corridor, a SIS facility, to deliver **intersection-level operational and capacity improvements**, including triple left turns and dual right turns for the EB and WB SR-80 ramps and dual right turns on NB and SB SR-7. Project includes **milling & resurfacing**, **pavement widening**, **bridge widening** of the C-51 bridges, **signalization**, **lighting**, and **drainage improvements**. In addition to project coordination among subconsultants, responsibilities include leading design and production effort associated with roadway (including **3D modeling**) and **traffic control design**. Also responsible for preparation of various deliverables, including typical section package, design report, variations/exceptions, and pavement design package.

Client: FDOT District 4, 3400 West Commercial Boulevard, Fort Lauderdale, FL 33309 Contact: Anson Sonnett, PE – FDOT Project Manager | (954) 777-4474 | <u>Anson.Sonnett@dot.state.fl.us</u> Dates: 2020 - Ongoing Consultant Fee: \$1,373,007

25. FI	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) LOCATION	(3) ROLE		
a.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT				
20. EXAMPLE PROJECT KEY NUMBER		7		
21. TITLE AND LOCATION <i>(City and State)</i> 22. YEAR COMPLETED			LETED	
Restoration of SR-9336/SW 344th	Street/Palm Drive from SW 192nd	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	
Avenue to W of SR 5/US-1		2020 - Ongoing N/A		
	23. PROJECT OWNER'S INFOR	MATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TEL	EPHONE NUMBER	

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT District 6	Ivette Funtanellas, PE	(305) 470-5270
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRAC	(Include scope, size, and cost)	

JMT provided design services on this 3R project, with additional improvements added to the scope to accommodate safety and multimodal enhancements. The corridor consists of two distinct segments (a rural flushshoulder two-lane, two-way section from SW 192 Ave to NW/SW 6 Ave, and an urban curb and gutter section from NW/SW 6 Ave to US-1).

The project included milling and resurfacing of the existing mainline pavement, intersection improvements (ex. realignment and minor widening) to improve operations and safety, constructing paved shoulders adjacent to the travel lanes in the rural segment of the corridor, reconstructing damaged/substandard sidewalks and adding sidewalk where missing, upgrading pedestrian curb ramps, constructing boarding and alighting pads for bus stops, installing a 12'-wide shared used path in the rural segment of the corridor and widening existing sidewalks from 5' to 10' in the urban segment to provide connectivity to the Miami-Dade Busway,



upgrading all existing signing and pavement markings to meet current standards, installing bulb outs at crosswalks and on-street parking locations, installing pedestrian signal heads, upgrading existing obsolete pushbuttons and detectors, replacing existing HPS luminaires with LED fixtures and coordinating with the City of Florida City for replacing missing light poles and repairing damaged poles.

Client: FDOT District 6, 1000 NW 111th Avenue, Miami, FL 33172 Contact: Ivette Funtanellas, PE | (305) 470-5270 | Ivette.Funtanellas@dot.state.fl.us Dates: 2021 - Ongoing Consultant Fee: \$743,388

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT					
	(1) FIRM NAME	(2) LOCATION	(3) ROLE		
a.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT				
20. EXAMPLE PROJECT KEY NUMBER			8	
21. TITLE AND LOCATION (City and State)		22. YE	AR COMPLETED	
Miscellaneous Professional Engineering Services for Bicycle and Pedestrians		professional services 2018 - Ongoing	CONSTRUCTION (if applicable) N/A	
	23. PROJECT OWNER'S INFO	RMATION		
a. PROJECT OWNER Hillsborough County	b. POINT OF CONTACT NAME Amanda Sotomayo	r, PE	(813) 307-1850	

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

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

This task work order-based contract includes design for pedestrian and bicycle improvements, including Local Agency Projects (LAP) through FDOT. These tasks include the design of standard sidewalks and multi-use paths, ADA upgrades to intersections and curb ramps, drainage and permitting associated with the sidewalk improvements, utility coordination, and surveying. Recent tasks completed by JMT include: **Sidewalk Feasibility Studies (Countywide)**: Under this project, JMT analyzed the feasibility of pedestrian and bicycle safety improvements for 46 locations within Hillsborough County. Included in the feasibility studies were right-of-way evaluations, field reviews, concepts and estimates, and a report. We utilized multiple Hillsborough County GIS layers to obtain crash data, environmental information, bus stop locations, archaeological information, existing permits and other pertinent information to be included within the reports.

Cain Road Sidewalk Improvements: This project consisted of a design for a sidewalk along the east side of Cain Road from Gunn Highway to Pine Bay Drive. Right-of-way was constrained along this roadway, and the design included modifying the open drainage system and developing design exceptions for the ditch design and shoulder widths.

Bruce B. Downs Boulevard at Bearss Avenue Sidewalk Improvements: This project consisted of the design of the sidewalk in the northeast corner of the intersection of Bruce B. Downs Boulevard and Bearss Avenue. Sidewalk connectivity was required to access the crosswalks at the signalized intersection.

Cypress Creek Elementary: As part of the School Safety Circulation Enhancements, this project included adding an eight-foot paved shoulder along the westbound lanes of 19th Avenue NE for approximately 355 feet. It also includes adding a five-foot sidewalk and making drainage, signing, and marking improvements.

Doby Elementary: As a part of the School Safety Circulation Enhancements, this project included the addition of an eight-foot paved shoulder along the southbound lanes of Covington Garden Drive for approximately 1,100 feet. It also includes the relocation of the existing sidewalk, and drainage and signing and marking improvements.

Walker Middle School: The purpose of this project was to design a paved outside shoulder on the south side of Mobley Road. This proposed shoulder required the design of a new ditch and ADA-compliant sidewalk for Walker Middle School. The project included milling and resurfacing within the project limits, updating pavement markings and signage, including for the school zone, and installing a new crosswalk at the Walker Middle School driveway entrance.



Client: Hillsborough County, 601 East Kennedy Boulevard, Tampa, FL 33602

Contact: Amanda Sotomayor, PE | (813) 307-1850 | sotomayora@hillsboroughcounty.org

Dates: 2017 - Ongoing

Consultant Fee: \$5M

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT					
	(1) FIRM NAME	(2) LOCATION	(3) ROLE		
а.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT					
20. EXAMPLE PROJECT KEY NUMBER			9		
21. TITLE AND LOCATION (City and State)			22. YEAR COMPL	ETED	
Partin Settlement Road from Neptune Road to Lakeshore Boulevard		professional services 2020 - Ongoing		CONSTRUCTION (if applicable) N/A	
23. PROJECT OWNER'S INFORMATION					
a. PROJECT OWNER Osceola County, FL	b. POINT OF CONTACT NAME Steven Kare, P	E	c. POINT OF CONTACT TELE (40	phone number 7) 742-0513	

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

JMT was selected to provide design services to Osceola County, FL on the Partin Settlement Road project in Kissimmee. This is the first time JMT has worked with Osceola County, best known for being the home of Walt Disney World. This project consists of an alternative evaluation (Part A of this scope) followed by development of design plans for construction (Part B) of Partin Settlement Road, from Neptune Road to Lakeshore Boulevard. The total project length is approximately 2.7 miles.

Part A involves analyzing alternatives for the construction of a four-lane divided roadway with multimodal accommodations, associated drainage improvements and stormwater ponds, modifications of the signalized intersections at Neptune Road, Cross Prairie Parkway, US 192, Remington Boulevard, and Lakeshore Boulevard, upgrading the intelligent transportation systems (ITS), modification/replacement of double box bridge culvert over Fish Lake Canal, street lighting, and landscaping considerations. Within the project's corridor, there is a trail bridge over the canal to Fish Lake adjacent to the double box bridge culvert, 1,950 feet west of the Partin Settlement/US 192 intersection.

The preferred alternative chosen by the county was to reconstruct the roadway to a divided four-lane highway. Design efforts included full traffic design, roadway, and drainage efforts. Five signalized intersections are being reconstructed as part of the roadway reconstruction. Full corridor lighting to include 10' paths on both sides of the roadway and all intersections and mid-block crossings. ITS/ATMS was designed to provide fiber backbone connectivity to the Osceola County EOC and FDOT D5 Sunguide and provide a redundant network with full corridor CCTV coverage and the availability for future connected vehicle equipment installation. System engineering documents were also created for the new ITS system to include PSEMP, ConOps, and RTVM.

As part of the public outreach multiple design considerations were developed for the Lakeshore Boulevard intersection where the roadway returns to a two-lane, suburban section. Both a signalized intersection and roundabout concepts, 1 and 2 lane options, were developed for public outreach and modifications made to provide traffic calming at this intersection at the request of the client.



Client: Osceola County, One Courthouse Square, Suite 1100; Kissimmee, FL 34741 Contact: Steven Kane, PE, County Project Manager | (407) 742-0513 | <u>steven.kane@osceloa.org</u> Dates: 2020 - Ongoing Consultant Fee: \$2.9M

25. FI	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT					
	(1) FIRM NAME	(2) LOCATION	(3) ROLE			
a.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT					
20. EXAMPLE PROJECT KEY NUMBER			10		
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED			
Continuing Services for Project Design		PROFESSIONAL SERVICES CONSTRUCTIO Ongoing N		CONSTRUCTION (if applicable)	
	23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER FDOT District 4	b. POINT OF CONTACT NAME Anson Sonn	ett	c. POINT OF CONTACT TELE	ephone number 954) 777-4474	

This is a 5-year, \$5M task-work-order driven contract that involves the design of concurrent roadway and safety projects, including resurfacing, restoration, and rehabilitation (3R); pedestrian/mobility improvements (ex. bike lanes, sidewalks connectivity, shared-use paths); traffic signalization upgrades (ex. replacement of span wire assemblies with mast arms; addition of signal/crosswalk features); signing and pavement markings; lighting upgrades (ex. LED retrofit, corridor lighting, intersection/crosswalk lighting); drainage improvements; ITS improvements; bridge rehabilitation; and miscellaneous structures. JMT was selected 1st overall from over 20 design teams to provide continuing services for design, including surveying and mapping, geotechnical engineering, public involvement, utility coordination, 3D modeling, and environmental permitting.

Tasks include:

- SR 5/US-1 Intersection Improvements at N Baker Road, FDOT PM: Damaris Williams, PE
- SR 5/US-1 Intersection Improvements at N. River Shores Boulevard, FDOT PM: Damaris Williams, PE
- SR 5/US-1 Intersection Improvements at Sunset Boulevard, FDOT PM: Damaris Williams, PE
- SR 5/US-1 Intersection Improvements at SR 76/Kanner Highway, FDOT PM: Damaris Williams, PE •
- SR 5/US-1 Intersection Improvements at SW Joan Jefferson Way, and at SW Ocean Boulevard (Martin Co.) FDOT PM: Leslie Wetherell, PE
- SR A1A Resurfacing, Restoration, and Rehabilitation (3R) from Sheridan St to Dania Beach Boulevard (Broward Co.) FDOT PM: Vandana • Nagole, PE
- SR 807/Congress Avenue at 10 Ave North Intersection Improvements (Palm County) FDOT PM: Jeffrey Robbert, PE
- SR 68/Orange Boulevard at SR 713 Kings Highway & I-95 SB On-Ramp Relocation (St. Lucie County) FDOT PM: Claudia Vinitskiy-Calvo, PE
- SR 842/Las Olas Boulevard Over the ICWW Bascule Bridge Rehabilitation (Broward County) FDOT PM: Thuc Le, PE



Client: FDOT District 4, 3400 West Commercial Boulevard, Fort Lauderdale, FL 33309 Contact: Anson Sonnett, PE – FDOT Project Manager | (954) 777-4474 | Anson.Sonnett@dot.state.fl.us Dates: 2022 - Ongoing

Consultant Fee: \$5M

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT							
	(1) FIRM NAME	(2) LOCATION	(3) ROLE				
а.	Johnson, Mirmiran & Thompson, Inc. (JMT)	Fort Lauderdale, FL	Prime				

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS											
26. NAMES OF KEY PERSONNEL (From Section E,	27. ROLE IN THIS CONTRACT (From Section E,	28. EXAMPLE PROJECTS LISTED IN SE (Fill in "Example Projects Key" section below b table. Place "X" under project key nu participation in same or similar re				D IN SEC elow be key num milar ro	CTION F efore completing mber for ole.)				
BIOCK 12)	BIOCK 13)	1	2	3	4	5	6	7	8	9	10
Josh Baimel, PE	Project Manager	•	•	•			•	•		•	•
Sergio Quevedo, PE, PTOE, RSP1	Principal-in-Charge and QA/QC Support	•				•	٠		•		•
Robin Hernandez, PE, RSP1	QA/QC Manager	٠				٠			•		
Johan Aranda, PE	Roadway Design	٠					•	•			
Michael Priory, PE	Roadway Design	•					•	٠			
Jameson Wilson, PE	Maintenance of Traffic					•			•		
Steven Haines, PE, LEED AP	Construction Management Bidding & Proposal Evaluation										
Ryan Bogan, PE	Signal & Lighting Design Signing & Pavement Markings					•		•	•	•	
Paul Marotta, PE	Structural Design Engineer			•	٠					•	
Joseph Gerum, PE, RSP1	Traffic Calming Bike & Ped Design				٠	٠			•	•	•
Anthony Chaumont, PE, RSP1	Traffic Studies & Planning					•			•		
Matthew Knight, PE	Traffic Studies & Planning					•		•		•	
Jason Flick, PE	Maintenance of Traffic Cost Estimates & Specifications			•	•					•	•
Dan Dan Zhao, PE	Bidding & Proposal Evaluation Cost Estimates & Specifications Utility/Rail Transit Coordination	•						•			•
Jason Evert	Environmental Assessments									•	
Michael Ryan, PE	Drainage Design & Permitting					•			•		
Steven Collins, PhD, PE	Drainage Design & Permitting				٠					•	
Derek Doughty, PE, CFM, BC.WRE, ENV SP	Drainage Design & Permitting				•					•	
David Andre (AACE)	Geotechnical Engineering										
Aaron Wilbur, PLA (C&H)	Landscape Architecture										
Kenneth Glass, PSM (CivilSurv)	SUR Chief Surveyor										

	29. EXAMPLE PROJECTS KEY								
NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)						
1	Design Services SR-811/NE 4th Avenue (Wilton Drive) from SR-838/Sunrise Boulevard to NE 26th Street	6	SR-80/Southern Boulevard Ramps and SR-7/US-441						
2	Professional Engineering Services – Roadway Infrastructure and Lighting Improvements	7	Restoration of SR-9336/SW 344 th Street/Palm Drive from SW 192 nd Avenue to west of SR-5/US-1						
3	Wekiva 7B – SR-46 (Wekiva Parkway) from west of Central Road to Interstate 4	8	Miscellaneous Professional Engineering Services for Bicycle and Pedestrians						
4	Orange Boulevard (CR 431) Safety & Drainage Improvements	9	Partin Settlement Road from Neptune Road to Lakeshore Boulevard						
5	Miscellaneous Professional Services for Transportation Development & Design	10	FDOT District 4 Continuing Services for Project Design						

	ARCHITECT – ENGIN	1. SOLICITATION NUMBER (If any) RFP20240169						
		PAR	r II – Genera	AL QUALIFIC	ATIONS			
	(If a firm has l	branch offices	, complete fo	r each speci	fic branch o	office seeking work.)		
2a. FIRM (OR BI Johnson,	ranch office) name Mirmiran & Thompson, Inc. (JMT)				3. YEAR ESTABLISHED 1971	QGC7CHWHPT51		
2b. STREET 3731 Olea	Inder Avenue, Suite 100					5. C	OWNERSHIP	
2c CITY			2d STATE	2e 7IP (0)	DF	Corporation		
Fort Pierc	e		FL	3498	2	b. SMALL BUSINESS STATUS		
6a. POINT OF C Sergio Qu	ontact name and title evedo, PE, PTOE, RSP1 Senior Vice	President				7. NAME OF FIRM (If block 2a is	<i>a branch office)</i> 9 Thompson	
6b. TELEPHONE 813-314-(NUMBER)314	6c. E-MAIL	ADDRESS edo@imt.com	1		Jonnson, Mirmiran (& mompson	, INC.
				•				
NI/A	8a. FURMER FIR	M NAME(S) <i>(IT any)</i>	1			8D. YR. ESTABLISHED		NUMBER
N/A								
	9. EMPLOYEES BY DISCIPLIN	IE			ANN	10. PROFILE OF FIRM'S EXPERII NUAL AVERAGE REVENUE FOR	ENCE AND LAST 5 YEARS	
a. Function Code	b. Discipline	c. No. o (1) FIRM (.	f Employees 2) BRANCH	a. Profile Code		b. Experience	c. Revenue Index Number <i>(see below)</i>	
05	Archaeologist/Cultural Resources	27		A01	Acoustic, N	oise Abatement		5
06	Architect / Architectural Designer	36		A06	Airports, Te	erminals and Hangars		6
08 / 58	CADD / Technician	98		B02	Bridges			9
12	Civil Engineer	53		<u>C15</u>	Constructio	n Management		10
14/29	Computer / Technology / GIS	102		E09	Electrical St	tudies and Design		4
15/16	Constr. Manager/Engr/Inspector	591	27	<u>E12</u>	Environmen	ntal Remediation		/
21	Electrical Engineer	12		<u>G04</u>	Geographic	Information Systems		8
24	Environmental Specialists	5/		H04	Heating, Ve	entilation, Air Conditioning		6
3/	Interior Designer	/		H07	Highways,	Streets, Parking Lots		10
38	Land Surveyor / Utility Locator	196	2	104	Intelligent			2
39	Lanoscape Architect	21		100	Irrigation; L	ving		6
42		15		LUZ	Landscape	Architactura		4
4/ E2	Mater Mastewater Engineer	15		LU3	Lighting Ev	toriors		4
<u> </u>	Goologists / Gootoch / Soils Engr	0		LU0 502	Lighting Ex	tenors		3
<u>27/30/33</u> 57	Structural Engrs/Inspector/Diver	128		<u> </u>	Security	lloction Distribution		2 Q
60	Transportation/Traffic/ITS Engrs	200		<u> </u>	Structural [Design: Special Structures		6
62	Water Resource Engineers	88	7	<u>505</u> 513	Storm Wate	er Handling and Facilities		8
02	Designer	23		 T03	Traffic and	Transportation Engineering		8
	ROW / Real Estate Specialists	41		U03	Utilities			3
	Other Employees	319	1	W02	Water Reso	ources; Hydrology		5
	Total	2229	37	W03	Water Supp	bly		7
11. ANNUAL AV	/ERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS t revenue index number shown at right)	1. Less t	han \$100,000	PROF	ESSIONAL SERVI	CES REVENUE INDEX NUMBER 6. \$2 million to less than \$ 7. \$5 million to less than \$	5 million	
- F.J. 1997 1	0	3. \$250 (000 to less than \$50	00,000		8. \$10 million to less than	\$25 million	
a. Federal Work 8 4. \$500,000 to less than \$50				million		9. \$25 million to less than	\$50 million	
b. Non-Federal Work 10 5. \$1 million to less than \$2			2 million		10. \$50 million or greater			
c. Total Work	10							
		: 1	12. AUTHORIZED The foregoing is a	D REPRESENTA a statement of	TIVE facts.			
a. SIGNATURE	a. SIGNATURE					b. [DATE 12/05/2024	
c. NAME AND								
Sergio Quev	edo, PE, PTOE, RSP1, Vice Presiden	t						

ARCHITECT – ENGINEER	QUALIFICATIONS
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1. SOLICITATION NUMBER **eRFQ** #20240169

				PART	II – GENERAL	. QUALIFIC		S			
2a. FIRM (OR F	BRANCH OF	FICE) NAME		3. YEAR ESTABLISHED 4. DUNS NUMBER			BER				
Andersen	Andre	Consulting Engine	ers. Inc.					2005		36 104 27	52
2h CTREET									5. OWN	ERSHIP	02
001 CIA/ C	0010		a. TYPE								
034 300 3	enue		Corporation								
2c. CITY					2d. STATE	2e. ZIP CO	DE	b. SMALL BUSINESS STA	TUS		
Port St. Li	UCIE				FL	34983			-l. 2- i h		
	LONIACIN	AME AND TILLE						7. NAME OF FIRM (IT DID	ick za is a brai	ich office)	
6b TELEPHON	F NUMBER	.E., President		6c F-MAIL ADD	RESS						
(772) 807	-9191			dandre@a	aceinc com						
(112)001	5151	8a.	FORMER FIRM N	NAME(S) (if any)				8b. YR. ESTABLISHED		8c. DUNS NUN	IBER
		9. EMPOLYEES	BY DISCIPLINE			10. PR	OFILE OF FIRM	M'S EXPERIENCE AND ANN	UAL AVERAGE	REVENUE FOR I	AST 5 YEARS
a. Function		h Discipling		c. No. (of Employees	a. Profile		h Exporton	co		c. Revenue Index
Code		b. Discipline		(1) Firm	(2) Branch	Code		b. Experien	ce		(see below)
12	Civil En	gineer		1		B02	Bridges				1
23	Environ	mental Engineer		1		C10	Commer	cial Buildings (low rise)	, Shopping (Centers	2
27	Founda	tion/Geotechnical Engi	neer	1		E02	Educatio	nal Facilities, Classroor	ns		1
58	Technic	ian/Analyst		7		E09	Environm	nental Impact Studies,	Assessment	s	2
						H07	Highways	hways, Streets			2
						H11	Housing	ousing (Residential, Multi-family, Apartments)			1
						106	Irrigation	rrigation/Drainage			1
						L04	Libraries				1
						M06	Mining and Mineralogy				1
						001	Office Bu	ice Buildings 2			
						R04	Recreatio	creational Facilities 1			
						R11	Rivers, Ca	ivers, Canals, Waterways 1			
						S05	Soils & G	eologic Studies, Found	ations		4
						513	Stormwa	ter Handling Facilities			2
						102	Testing a	nd Inspection Services			4
						W01	Water De	ises and Depots			1
						W02	Water Re	upply			1
						H00	Hospitals	Medical Eacilities			2
						1103	Tiospitais	, weater activities			2
	1		TOTAL	10							
11. ANNUAL A	AVERAGE P	ROFESSIONAL SERVICES			l	PROFESSIONAL	SERVICES RE	VENUE INDEX NUMBER			1
REVENU	E OF FIRM	FOR LAST 3 YEARS									
a. Federal Wo	rk	1	1. Less 2. \$100	than \$100,0000),000 to less thai	n \$250,000		6. Ş 7. Ş	52 million to less than \$5 m 55 million to less than \$10 i	nillion million		
b. Non-Federa	l Work	5	3. \$250	0,000 to less that	n \$500,000		8. \$	10 million to less than \$25	million		
c. Total Work		5	4. \$500 5. \$1 m	nillion to less that	n \$2 million		9. ş 10.	\$50 million or greater	millon		
		-			12. AUTHORIZED	REPRESENTATIV	'E				
a. SIGNATURE					The foregoing is a	statement of fac	ts.		b. DATE		
1											
	21								Novemb	er 12 2024	
\mathcal{I}										C: 12, 2024	
c. NAME AND	TITLE							I			
David P 4	Andre P	F President/Prin	ncinal								

1. SOLICITATION NUMBER (If any)

		(If a fir	P m has bra	ARIII– anch offices	• GENEF s, complete	AL C	UALIFICAII h specific branch	IONS	eking work)			
2a. FIRM	(OR BRANC	H OFFICE) NAME			i				3. YEAR ESTABLISHED	4. DUNS NUMBER		
CivilSu	rv Design	Group, Inc.							2010	961948911		
2b. STREET								-	5. OWNERSHIP			
1000 SW Bayshore Boulevard, Suite 113									Corporation			
2c. CITY					2d. S	TATE	2e. ZIP CODE		b. SMALL BUSINESS STA	TUS		
Port St.	Lucie				FL		34984		SBE (St. Petersbui	rg, SFWMD)		
6a. POIN	T OF CONTA	CT NAME/AE AND TIT	LE .						7. NAME OF FIRM (If block	2a is a branch office)		
Kennet	h T. Glass	, PSM VP of Si	irveyin	g								
6b. TELEP	HONE NUMBE	R			6c. E-N	iail add	DRESS					
(863) 64	46-4771				kgla	ss@ci	vilsurv.com					
8a. FORM	IER FIRM NA	ME(S) (If any)							8b.YR ESTABLISHED	8c. DUNS NUMBER		
Keith a	nd Schnar	s. PA							1972	961948911		
							10. PROF	ILE OF F	IRM'S EXPERIENCE AN	ND		
	J. ∟IVII			1 (-	ANNUAL AVE	ERAGE R	EVENUE FOR LAST 5 Y	'EARS		
a. Eurotion		h Discipling	c. ľ Emp	NO. OT loyees	a. Profile			h Evnerica	200	c. Revenue Index Number (see below)		
Code		b. Discipline	(1) EIDM	(2)	Code		ſ	u. Experier	ice			
02	Administra	ative	3	DIVANCI	C15	Con	struction Manag	gement		3		
08	CADD Teo	chnician	3		C16	Con	struction Surve	ying		3		
12	Civil Engir	neer	5		E09 Environmental Impact			act Studi	es, Assessments or	1		
15	Construction Inspector 4				H07	High	ways; Streets;	Paving; Parking Lots	5			
38	Land Surv	eyor	23		L02	Land	d Surveying		6			
47	7 Planner: Urban/ Regional 1			P05	P05 Planning (Community, Reg			onal, Area-wide and	1			
60	Transporta	ation Engineer	2		P06 Planning (Site, Installation			allation, a	and Project)	1		
					T03 Traffic & Transportation E			ation Eng	jineering	5		
					T04	Тор	Topographic Surveying and Mapping			6		
					W02 Water Resources; H			Hydrolog	y; Ground Water	4		
					701	Zoni	ing Land Use S	<u>studies</u>		2		
					201	2011	ing, Lana Ose e	Juuico		L		
			44									
	11 ΔΝΙΝΙΙΙΑ			<u> </u>								
SERV	ICES REVEN	UES OF FIRM FOR L	AST 3 YE	ARS			FROFESSIONAL					
	(Insert rever	ue index number shown a	t right)		1. Le	ss than §	\$100,000	6	5. \$2 million to less than \$	5 million		
					2. \$1	00,000 to	o less than \$250,00	00 7	. \$5 million to less than \$	10 million		
a. ⊦ederal	VVOrK	0			3. \$2 4. \$5	:50,000 to 600,000 to	o less than \$500,00 o less than \$1 millio	n 8	 \$10 million to less than \$25 million to less than 	\$25 million \$50 million		
b. Non-Fed	ieral Work	6			5. \$1 million to less than \$2 m			on 10). \$50 million or greater			
c. I otal Work 6												
12. AUT	HORIZED R	EPRESENTATIVE:	The for	egoing is	a statem	ent of f	acts.					
a. SIGNAT	URE	1						b. DATE				
Kennetter						November 18, 2024						
c. NAME AND TITLE Kenneth T. Glass, PSM VP of Surveying												

ARCHITECT – ENGINEER QUALIFICATIONS							1. SOLICITATION NUMBER (If any) RFQ #24-PW-021			
		PART II. –	AL QU	ALIF	ICATIO	NS				
	(If a firm has branch	offices, com	plete fo	r each	spec	cific bran	ch office seeking w	ork.)		
2a. 1 11(10) (O	R BRANCH OFFICE/ NAME						3. TEAR ESTABLISHED	4. DONS NOMBER		
Cotleu				1991						
2b. STREET	-						5. OWNERSHIP a. TYPE			
1934 (Commerce Lane, Suite 1						Corporation (Flo	rida)		
2c. CITY			2d. STA	TE	2e. Z	ZIP CODE	b. SMALL BUSINESS STA	TUS		
Jupiter			F	L	33	3458				
6a. POINT C	OF CONTACT NAME AND TITLE						7. NAME OF FIRM (if c b	lock 2a is a branch office)		
Donald	dson E. Hearing, Principal/Mer	mber					Cotleur & Hearing Architecture, LLC	Landscape		
6b. TELEPH	IONE NUMBER	6c. E-MAIL ADI	DRESS							
561-74	47-6336, Ext. 102	dhearing	@cotle	ur-hear	ing.c	om				
	8a. FORMER FIRI	M NAME (S) (if an	y)				8b YR. ESTABLISHED	8c. DUNS NUMBER		
Cotleur &	& Hearing, Inc.						1991	858595234		
	9. EMPLOYEES BY DISCI	PLINE			ANN	10. PROF IUAL AVE	ILE OF FIRM'S EXPE	RIENCE AND R LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Emplo (1) FIRM (2	yees 2) BRANCH	a. Prof Code	file e		b. Experience	c. Revenue Index Num (see below) FIRM TOTAL	ıber	
02	Clerical	7		A02	2	Aerial Im	agery and Analysis	1		
<u>08</u> 24	CADD Technician Environmental Scientist	2		E09 F-10	0	<u>Environm</u> Environm	iental Assessments	0		
39	Landscape Architect	12		E-1	1	Environm	nental Planning	0		
47	Planner: Urban/Regional Project Manager	10		G-04	4	<u>Geograp</u>	hic Into. System	2		
	Graphic Designer	3		I-06	3	Irrigation:	: Drainage	1		
	Designer	1		L-03	3	Landscap	be Architecture	5		
	Civil Engineer	1		P-0:	5 6	Planning Planning	(Site Installation &	3		
	Principal	2		U-0:	2	Urban Re	enewals; Community	2		
				Z-0 ²	1	Zoning; L	and Use Studies	3		
	Total	44								
11. ANN SER	UAL AVERAGE PROFESSIONAL	1	PF	ROFESS	IONAL	L SERVICE	ES REVENUE INDEX NU	MBER		
(Insert rev	venue index number shown at right) FIRM TOTAL	2. \$100,00 3. \$250,00	0 to less t 0 to less t	han \$250 han \$500	0,000 0,000		 \$2 million to less t \$5 million to less t \$10 million to less 	han \$10 million than \$25 million		
a. Federal	Work 0 deral Work 7	4. \$500,00 5. \$1 millio	0 to less t n to less t	han \$1 n han \$2 n	nillion nillion		9. \$25 million to less 10. \$50 million or grea	than \$50 million ater		
c. Total W	ork 7	-								
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a. SIGNATUR			, č				b.	DATE		
	2 Anth						С	october 15, 2024		
c. NAME AND	son E. Hearing, ASLA, LEED	AP, Principa	l/Membe	er						
AUTHORIZE	ED FOR LOCAL REPRODUCTION RY USE DATE OF FORM 5/1/2004						STANDARD FORM	330 (REV.8/2016) PAGE	Ξ6	

CONSULTANTS GENERAL INFORMATION WORK SHEET / E-RFP REPLY FORM eRFP #2020169

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

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.

Dated at ³⁷³¹ Oleander Ave., Suite 108, Fort Pierce, FL 34982 , this <u>5th</u> day of <u>December</u>, 2024 (Location)

Name of Organization/Contractor: Johnson, Mirmiran & Thompson, Inc.

 $_{By:}$ Sergio Quevedo, PE, PTOE, RSP1 - Senior Vice President

Name and Title

- 1. Corporation, Partnership, Joint Venture, Individual or other? Corporation
- 2. Firm's name and main office address, telephone and fax numbers

Name: Johnson, Mirmiran & Thompson, Inc.

Address: 3731 Oleander Ave., Suite 108, Fort Pierce, FL 34982

Telephone Number: 954-492-9921

Fax Number: 954-492-9909

- Contact person: Joshua Baimel, PE Email: jbaimel@jmt.com 3.
- Firm's previous names (if any). N/A 4.

How many years has your organization been in business? 53 5.

6.

Total number of staff at this location: ³⁷ Total number of staff on the Treasure Coast: ²⁷

Is the Firm a minority business: YES / NO 7.

If no, is your company planning to implement such a program? No

Is the firm claiming Local Preference under City Ordinance 35.12? (YES) / NO 8.

9. List the license(s) that qualifies your firm to construct this project:

Professional Engieer License

10. List five (5) projects similar to this project completed by your firm in the last 5 years along with a brief description of project, location of project, client name, client phone number, email, value of contract, your firm's percentage of the total contract value, as well as the number of change orders and the total change order value. **DO NOT USE the City of Port St Lucie as a reference**.

Project Number 1

Project Name: SR 5/US 1/Roosevelt Bridge Re-striping from SW Joan Jefferson Way to NW Wright Boulevard

Description: JMT provided roadway, signing and pavement marking, and signalization design for the restriping of

the Roosevelt Bridge over the St. Lucie River on SR 5. In addition to providing buffered bicycle lanes, improvements

also included upgrades to sidewalks and ADA ramps and replacement of TMS sites.

Location: Martin County, FL

Client Name, Phone Number & Email: FDOT District 4 | (954)777-4474 | anson.sonnett@dot.state.fl.us

Value of Total Contract: \$110k

Date of Completion: 2020

Firm's Percentage of Total Contract: 100%

Number of Change Orders: N/A

Value of Change Orders: N/A

Was Project Completed on Schedule: Yes

Was Project Completed within Budget? Yes

Project Number 2

Project Name: SR 811/NE 4TH Ave (Wilton Drive)

Description: JMT served as the FDOT District 4 Owner's Representative and EOR for the construction of

this lane elimination/complete streets project along SR 811 (Wilton Drive) within the cities of Fort Lauderdale and Wilton Manors. JMT stepped in to rescue this project during the production phase, and ultimately took on the role of the FDOT Owner's Representative to see the project through to final construction. There were significant design changes and RFIs with respect to the original plans, extensive stakeholder coordination, complex traffic detours, dozens of field reviews, shop drawing reviews, and meetings with the contractor on an almost daily basis.

Location: Fort Lauderdale, FL

Client Name, Phone Number & Email: FDOT District 4 | (954) 777-4152 | humberto.arrieta@dot.state.fl.us

Value of Total Contract: \$203k

Date of Completion: 2020

Firm's Percentage of Total Contract: 100%

Number of Change Orders: N/A

Value of Change Orders: N/A

Was Project Completed on Schedule: Yes

Was Project Completed within Budget? Yes

Project Number 3

Project Name: SR-826/Sunny Isles Boulevard

Description: JMT designed this RRR project with safety improvements within an urban segment of SR 826 JMT designed this RRR project with safety improvements within an urban segment of SR 826 in the City of Sunny Isles Beach, FL. The project included milling and resurfacing the bifurcated segment of SR 826 from east of the Intracoastal Waterway to SR A1A, including all inner and outer loop ramps.

Location: Sunny Isles Beach, FL

Client Name, Phone Number & Email: FDOT District 6 | (305) 470-5270 | ivette.funtanellas@dot.state.fl.us

Value of Total Contract: \$471k

Date of Completion: 2020

Firm's Percentage of Total Contract: 70%

Number of Change Orders: N/A

Value of Change Orders: N/A

Was Project Completed on Schedule: Yes

Was Project Completed within Budget? Yes

Project Number 4

Project Name: Miscellaneous Professional Engineering Services for Bicycle and Pedestrians

Description: JMT was selected to provide Hillsborough County with bicycle and pedestrian related support

including the design of multi-use trails, sidewalks, and bicycle lanes, as well as safety improvements identified through the Safe Routes to School program. These improvements include shoulder widening and the installation of sidewalks near schools. One assignment under this contract included sidewalk feasibility studies for 46 locations within the County to assess the needs and feasibility for pedestrian safety improvements.

Location: Hillsborough County, FL

Client Name, Phone Number & Email: Hillsborough County | (813) 307-1850 | sotomayora@hillsboroughcounty.org

Value of Total Contract: \$1.3M

Date of Completion: Ongoing

Firm's Percentage of Total Contract: 70%

Number of Change Orders: N/A

Value of Change Orders: N/A

Was Project Completed on Schedule: Yes

Was Project Completed within Budget? Yes

Project Number 5

Project Name: Restoration of SR-9336/SW 344th Street/Palm Dr. from SW 192nd Ave. to W of SR 5/US-1

Description: JMT is providing design services for milling and resurfacing of the existing pavement, constructing minor pavement widening and paved shoulders where feasible, reconstructing damaged/substandard sidewalks and adding sidewalk where missing, upgrading pedestrian curb ramps, constructing boarding and alighting pads for existing bus stops, upgrading all existing signing and pavement markings to meet current standards, installing pedestrian signal heads, upgradingexisting HPS luminaries with LED fixtures and coordinating with the City of Florida City.

Location: Florida City, FL

Client Name, Phone Number & Email: FDOT District 6 | (305) 470-5270 | ivette.funtanellas@dot.state.fl.us

Value of Total Contract: \$743k

Date of Completion: Ongoing

Firm's Percentage of Total Contract: 100%

Number of Change Orders: N/A

Value of Change Orders: N/A

Was Project Completed on Schedule: Yes

Was Project Completed within Budget? Yes

13. Status of current contracts. Please provide the name & number of current contracts as well as a sample list of the projects currently underway.

JMT currently has six contracts that are active. They are as follows:

Loxahatchee Rd from Arthur Marshall Refuge to US 441 - Post Design (Under Construction)

SR 80 ramps at US 441 - Final Phase of Design

SR 9336 from SW 192nd Ave to US 1 - Post Design (Under Construction)

SR 838 (Sunrise Blvd) from I-95 to US 1 - Post Design (Under Construction)

FDOT District 4 Design Continuing - Nine minor design projects under design

US 1 from Atlantic Blvd to Sample Rd - 90% Design Phase

14. How will the Contractor be able to meet the project timeline and budget given the current workload, work force and equipment?

JMT's current workload includes six contracts. Four will be in post design or have construction completed

by the time a project is assigned under this contract. The remaining two contracts require 30% of our

staff's time to complete the designs. This leaves sufficient availability (60-70%) to dedicate to the

City of Port St Lucie. JMT is fully dedicated to meeting all timelines and budgets assigned over the

course of this contract.

15. List the number of personnel that will be assigned to the project and include job titles and their licenses or certifications.

Joshua Baimel, PE(license no.59999) - Project Manager |Sergio Quevedo, PE, PTOE, RSP1 (license no.63084) - Principal-in-Charge and QA/QC Support

Robin Hernandez, PE, RSP1 (license no. 68411) - QA/QC Manager | Johan Aranda, PE (license no. 69800) - Roadway Design

| Steven Haines, PE, LEED AP BC+C (71522) -Construction Management Bidding & Proposal Evaluation | Ryan Bogan, PE (license no. 82217) -Signal & Lighting Design Signing & Pavement Markings | Paul Marotta, PE (91071) - Structural Design Engineer |Michael Priory, PE (60614) -

Roadway Design; Joseph Gerum, PE, RSP1 (88550) - Traffic Calming, Bike & Ped Design, Roadway Design, Maintenance of Traffic

Anthony Chaumont, PE, RSP1 (72473) - Traffic Studies & Planning |Jason Flick, PE (74741) - Maintenance of Traffic, Cost Estimates and Specifications

| Dan Dan Zhao, PE (82464) - Bidding & Proposal Evaluation, Cost Estimates & Specifications, Utility/Rail Transit Coordination | Jason Evert - Environmental Assessments | Michael Ryan, PE (76171) - Drainage Design & Permitting | Steven Collins, PhD, PE (80872) - Drainage Design & Permitting | Derek Doughty, PE, CFM, BC.WRE, ENV SP (54010) - Drainage Design & Permitting | David Andre, PE (53969) -Geotechnical Engineering Aaron Wilbur, PLA (LA6667229) - Landscape Architecture | Kenneth Glass, PSM (LS5713)- SUR Chief Surveyor

16. Has the Contractor or any principals of the applicant organization failed to qualify as a responsible Contractor; 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.

	Project Number 1
Project Name:	
Project Location:	
Client Name and Phone Nu	mber:
Engineer Name and Phone	Number:
Date:	
Reason:	
Insert additional projects if ne	eeded.
Has the Contractor or any of i	ts principals ever been declared bankrupt or reorganized under orship?
f yes, please explain:	Yes () No (\checkmark)
If yes, please explain: List any lawsuits pending or c partnership or individuals with Please see attached sheet.	Yes () No (\checkmark) completed within the past five (5) years involving the corporation, h more than ten percent (10 %) interest:
If yes, please explain: List any lawsuits pending or c partnership or individuals with Please see attached sheet. (N/A is not an acceptable answ	Yes () No (\checkmark) completed within the past five (5) years involving the corporation, h more than ten percent (10 %) interest: wer - insert lines if needed)
If yes, please explain: List any lawsuits pending or c partnership or individuals with Please see attached sheet. (N/A is not an acceptable answ List any judgments from laws Please see attached sheet.	Yes () No (♥) completed within the past five (5) years involving the corporation, h more than ten percent (10 %) interest: wer - insert lines if needed) suits in the last five (5) years:
If yes, please explain: List any lawsuits pending or c partnership or individuals with Please see attached sheet. (N/A is not an acceptable answ List any judgments from laws Please see attached sheet. (N/A is not an acceptable answ	Yes () No (♥) completed within the past five (5) years involving the corporation, h more than ten percent (10 %) interest: wer - insert lines if needed) wer - insert lines if needed) wer - insert lines if needed)

21. List subcontractors and major material suppliers for the project. Include telephone numbers. Insert additional sheets if necessary.

Andersen Andre Consulting Engineers, Inc. | (772) 807-9191

CivilSurv Design Group, Inc. | (863) 646-4771

Cotleur & Hearing | (561) 747-6336

17.

18.

19.

20.

Signature

Senior Vice President Title

Page 6 of 6



NOTICE TO ALL PROPOSERS:

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 <u>"Cone of Silence"</u> is in effect for this solicitation from the date the solicitation is advertised on *OpenGov*, 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 <u>City of Port St. Lucie Ordinance 20-15, Section 35.13.</u> Contact with anyone other than the Issuing Officer may result in the vendor being <u>disqualified.</u> All contact must be coordinated through *Issuing* Officer *Alaina Knofla*, for the procurement of these services.

All questions regarding this Solicitation are to be submitted in writing via OpenGov.com.

All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

*NOTE: All addendums and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the <u>OpenGov's</u> <u>Website</u> for retrieval. All notice of intent to award documentation will be published on the <u>City Clerk's</u> <u>Website</u>. Proposers are solely responsible for frequently checking these websites for updates to this solicitation.

1

I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.

Typed Name: Sergio Queve	do, PE, PTOE, RSP1_	
Signed:		6
Company and Job Title: Johns	son, Mirmiran & Thomps	on, Inc. Senior Vice President
Date: 12/6/2024		



e-RFP #20240169 CONTRACTOR'S CODE OF ETHICS

The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") 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 Department requires each vendor who seeks to do business with the City to subscribe to this Contractor's Code of Ethics.

- A Contractor's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- A Contractor will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- Contractor will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- Contractor will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- Contractor will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- Contractor will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, <u>City official</u>, employee family member or other vendor contracted by the City.
- Contractor 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.
- <u>Contractor will disclose to the City any direct or indirect personal interests a City employee or City official</u> holds as it relates to a Vendor contracted by the City.
- Contractor 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,

Page 1 of 2

occupational health and safety, and labor practices. In addition, Contractor must require their suppliers (including temporary labor agencies) to do the same. Contractor must conform their practices to any published standards for their industry. <u>Compliance with laws, regulations and practices include, but are not limited to the following:</u>

- Obtaining and maintaining all required environmental permits. Further, Contractor will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- 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.
- 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.

Name of Organization/Proposer Johnson, Mirmiran & Thompson, Inc.

Printed Name and Title Sergio Quevedo, PE, PTOE, RSP1, Senior Vice President

Date 12/06/2024

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



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
- 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	65719
Date of Authorization	5/20/2011
Name of Contractor	Johnson, Mirmiran & Thompson, Inc.
Name of Project	Continuing Contract for Transportation & Traffic Related Professional Services
Solicitation Number (If Applicable)	E-RFP #20240169

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on December6,	20 <u>24</u> in_Ft. Pierce(city),_FL(state).	
6.01	Sergio Quevedo, PE, PTOE, RSP1 Senior Vice President	
Signature of Authorized Officer	Printed Name and Title of Authorized Officer or Agent	
SUBSCRIBED AND SWORN BEFORE ME		
ON THIS THE 6th DAY OF December	,20 <u>24</u>	
NOTARY PUBLIC Iris Cheung		
My Commission Expires: 10/20/2027		
IRIS CHEUNG Notary Public - State of Florida Commission # HH 447267 Wy Comm. Expires Oct 20, 2027 Bonded through National Notary Assn.	129	



State of Florida }

County of St. Lucie }

Sergio Quevedo, PE, PTOE, RSP1 ____, being first duly sworn, disposes and says that: (Name/s)

1. They are Senior Vice President of Johnson, Mimiran & Thompson, Inc. 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.

	$/\cdot \wedge$	
(Signed)	<u> </u>	

(Title) Senior Vice President

STATE OF FLORIDA } COUNTY OF ST. LUCIE} SS:

The foregoing instrument was acknowledged before me this (Date) 12/06/2024

by: Sergio Quevedo, PE, PTOE, RSP1

who is personally known to me or who has produced

_as identification and who did (did not) take an oath.

Commission No. HH447267

Notary Print: Iris Cheung
Notary Signature:



DRUG-FREE WORKPLACE FORM E-RFP # 20240169

The undersigned Contractor in accordance with Florida Statute 287.087 hereby certifies that Johnson, Mirmiran & Thompson, Inc. does:

(Name of Business)

- 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.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Bidder's Signature

12/06/2024

Date:

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES' LISTS

Vendor Name:	Johnson, Mirmiran & Thompson, Inc.
Vendor FEIN:	52-0963531
Authorized Representative's Name:	Sergio Quevedo, PE, PTOE, RSP1
Authorized Representative's Title:	Senior Vice President
Address:	3731 Oleander Ave, Suite 108
City, State and Zip Code:	Ft. Pierce, FL 34982
Phone Number:	(954) 492-9921
Email Address:	Squevedo@jmt.com

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: <u>https://www.sbafla.com/fsb/FundsWeManage/FRSPensionPlan/GlobalGovernanceMandates/QuarterlyRe</u> ports.aspx

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.

Authorized Signature

Sergio Quevedo, PE, PTOE, RSP1
Print Name
Signatura

Signature

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA § COUNTY OF ST. LUCIE §

Before me, the undersigned authority, personally appeared affiant <u>Sergio Quevedo, PE, PTQE, RSP1</u> who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for Continuing Contract for Transportation & Traffic Related Professional Project 20240169.

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

	Johnson, Mirmiran & Thompson, Inc. Name of Firm By: President	
The foregoing instrument	Sergio Quevedo, PE, PTOE, RSF was acknowledged before me by	21
WITNESS was hand and a	as identification of is personally known t	o me.
WITNESS my nand and o	inclai seal in the Stare of County last aloresaid this	_ day of
(SEAL) , 20 <u>24</u> .	unling	
IRIS CHEUNG Notary Public - State of Florida Commission # HH 447267 My Comm. Expires Oct 20, 2027 Bonded through National Notary Assn.	Signature	
	Iris Cheung Notary Name (typed or printed)	
	Marketing Assistant	
	Title or Rank	

CONFIDENTIAL

Summary of Litigation (November 2024)

From time to time, JMT has been involved in various claims in litigation and arbitration arising from the normal course of its business as an A/E consulting firm. While such claims arise from or generally relate to projects, it should be noted that JMT carries a comprehensive insurance program, and none of the claims have or are expected to exceed available insurance nor to materially impair or adversely affect the firm's business or ability to perform its contractual obligations. Pending litigation and arbitration claims history for the past ten (10) years includes the following matters:

Active/Pending Matters

Contractor Trip and Fall: In August 2024, a construction worker filed suit for injuries he allegedly sustained in 2023 when he tripped and fell on a ramp at a construction project at the Statue of Liberty National Monument/Museum in New York. JMT provided CM representative support services on several restoration projects at the site; but was not responsible for the contractor's means and methods, nor construction or maintenance of the ramp, nor other temporary works used in connection with the project. This claim is in discovery. *Castagliola v Safespan Scaffoliding LLC et al.* Supreme Court of NY., NY Co. Case No. 154986/2024.

Vehicle Accident: In July 2023, a fatal motor vehicle accident involving a car that struck a parked construction vehicle in a construction zone in South Philadelphia, PA. The driver of the car turned on the wrong side of the road at an intersection, when it struck the front-end loader which was parked on the street. The construction vehicle and work zone was set up in connection with a City of Philadelphia water project. JMT performed limited regular highway occupancy permit inspections for the department of transportation pertaining to projects within the DOT right of way; but did not perform inspections on behalf of the City or for the contractor in connection with the construction activities. JMT was not involved with or responsible for construction or maintenance of the roadway, or the equipment or configuration of the work zone. This claim is in the early stages of discovery. *Flores et. al v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA., Case No. 240600875; *Ross v. AP Construction et. al* Ct. of Common Pleas Phila. Co. PA.

Pond bank repairs: In April 2024, a property owner filed suit against its construction contractor for alleged deficiencies and unfinished construction in connection with a project to repair and restore erosion of a pond bank at the property. The complaint also alleges that JMT, as the district's consulting engineer, was responsible for the project design and for the oversight of the contractor's work, and thus the engineering certificate allegedly misrepresented the incomplete status of the project. JMT was hired to provide engineering consulting services, but the district declined to engage JMT or another full time construction manager to observe or manage the contractor's work during construction. The district hired the contractor independently under separate contract, and while JMT performed routine site visits and submittal reviews, JMT did not have any responsibility or authority with respect to the contractor's work, schedule, or means and methods of completing the work, and JMT's inspections and punch list reports and certifications made clear that the corrective work was the responsibility of the contractor. This case is in the early pleadings stages, and has been placed on hold pending negotiations and alternative dispute resolutions between the parties. *Turnbull Creek CDD v JMT and Boudreaux's Pro Grade LLC*, 7th Circuit Ct. for St. Johns, Co., FL, Case No. 552024CA000475A000MX.

Contractor Trip and Fall: In January 2024, a construction worker filed suit for injuries he allegedly sustained in 2022 when he tripped and fell on snow and ice on the jobsite, he was working in connection with a pipeline project in PA. JMT provided permitting and engineering design services on portions of the project; but was not working on site at the time of the incident, nor responsible for snow/ice removal, upkeep, maintenance, or condition of the site, nor means and methods of construction or overall project site safety. This claim is in the early pleadings stages. *Cichonski v. Adelphia Gateway, LLC et al.* Ct. of Common Pleas Philadelphia Co. PA., Case No. 240100299.

Vehicle Accident: In November 2023, a driver involved in a single-vehicle automobile accident filed suit against the South Carolina Dept. of Transportation (SCDOT), City of North Charleston, SC, and multiple other parties, including JMT and other SCDOT contractors, claiming the roadway configuration following completion of a highway construction project contributed to the accident. The accident occurred in November 2022 where the plaintiff allegedly crashed through and beyond the end of a dead/end cul-de-sac, while driving an adjacent road which had been a thru street prior to the construction project. JMT performed highway design services as a subconsultant on the nearby construction project; but was not responsible for construction or maintenance of the roadway where the plaintiff claims to have been injured. This claim is in discovery. *Pickett v. Fluor-Lane South Carolina, LLC, et. al* Ct. of Common Pleas Charleston Co. SC., Case No. 2023CP1005461.

Construction Vehicle Accident: In October 2023, JMT was added as an additional party to a lawsuit filed by a construction worker who was injured while operating a construction vehicle that was struck by a tractor trailer on I-486 in Lehigh County PA. JMT performed construction inspection services in the vicinity of the project, but was not responsible for the site, vehicles, or equipment involved, nor the installation, means and methods of construction, or overall project site safety. This claim is in discovery. *Pine v. M.R. Express, Inc., et al., et. al* Ct. of Common Pleas, Lehigh Co. PA., Case No. 2022-C-2232.

Traffic Accident: In September 2023, the driver and passengers involved in an automobile accident on I-85 filed suit against the South Carolina Dept. of Transportation (SCDOT), a trucking company, and multiple other parties, including JMT and other SCDOT contractors, as the accident occurred in the vicinity of a construction zone. The accident occurred in June 2021 and involved a tractor trailer which collided with a passenger vehicle. JMT performed highway design services as a subconsultant on the project where the accident occurred. JMT was not responsible for installation of traffic

barriers, means and methods of construction, or overall project site safety. This claim is in discovery. Talash et al v South Carolina Dept., of Transp., et. al Ct. of Common Pleas Cherokee Co. SC., Case No. 2023CP1100351.

Property dispute: In August 2023, a property owner in Bell County Kentucky filed suit against the Bell County Fiscal Court and JMT for loss related to the County's closure and relocation of an access road across its property, alleging that it obstructed access and interfered with the adjacent owner's easement rights. JMT prepared design services as a consultant to the County, but had no privity, duties or responsibilities with respect to the property owners or related to the grant or termination of the underlying easement. This case is in discovery. *Concrete Products In. v Bell County Fiscal Court et al.* 44th Jud Cir. Bell County Circuit Ct, KY Case No 23-CI-00231.

Traffic Accident: In February 2023, the estates of a driver involved in a fatal automobile accident on I-85 filed suit against the South Carolina Dept. of Transportation (SCDOT) and multiple other parties, including JMT and other SCDOT contractors, as the accident occurred in the vicinity of a construction zone. The accident occurred in March 2021 and involved a tractor trailer which collided with a passenger vehicle. JMT performed highway design services as a subconsultant on the project where the accident occurred. JMT was not responsible for installation of traffic barriers, means and methods of construction, or overall project site safety. This claim is in the early discovery phase. *Alexander v. Blythe Construction, et. al* Ct. of Common Pleas Cherokee Co. SC., Case No. 2023CP1100072.

Traffic Accident: In January 2023, the driver of a passenger vehicle involved in an accident on I-85 filed suit against the at-fault driver of a commercial livestock transport truck and multiple other parties, including the South Carolina Dept. of Transportation (SCDOT), JMT and other contractors, as the accident occurred in the vicinity of a construction zone. The accident occurred in March 2021 and involved a tractor trailer which collided with a passenger vehicle. JMT performed highway design services as a subconsultant on the project where the accident occurred. JMT was not responsible for installation of traffic barriers, means and methods of construction, or overall project site safety. This claim is in the early discovery phase. *Pinckney v. Welch, et. al* Ct. of Common Pleas 7th Judicial Cir. Ct., Spartanburg Co., SC Case No. 2023CP1100031.

Pedestrian Trip and Fall: In January 2021, a pedestrian tripped and fell on the sidewalk at a supermarket in Elizabeth NJ, and has since filed suit against the Supermarket, the City as well as multiple other parties. The City has joined its contractor and consultants, including JMT, as third-party defendants to the suit. The complaint alleges that incident occurred due to the negligent upkeep, maintenance, repair or inspection of the sidewalk. JMT provided professional engineering services for the City; but was not responsible for the means and methods of construction, nor the maintenance of the premises. This claim is in discovery. *Guzman v. Mega Supermarket, Inc. et al.*, Super. Ct. of NJ, No. UNN-L-003006-21

Traffic Accident: In January 2020, the estates of a passenger involved in a fatal automobile accident on I-85 filed suit against the vehicle manufacturer, South Carolina Dept. of Transportation (SCDOT) and multiple other parties, including JMT and other SCDOT contractors, as the accident occurred in the vicinity of a construction zone. The vehicle lost power on the highway in an area of the work zone with limited shoulder, and another vehicle collided into it. JMT performed highway design services as a subconsultant on the project where the accident occurred. JMT was not responsible for installation of traffic barriers, means and methods of construction, or overall project site safety. This claim is in the discovery stage. *Caples v. FCA US LLC, et al.*, 7th Judicial Cir. Ct., Spartanburg Co., SC Case No. 2020CP424200014.

Contractor Accident: In February 2016, the estate of a construction worker who was fatally struck by a sweeper truck while working in a construction zone on the New Jersey Turnpike. The suit named multiple parties including the NJ Turnpike Authority, NJ Dept. of Transportation, NJ State Police, the driver, owner and manufacturer of the sweeper truck, as well as multiple other parties having a role in the project, seeking unspecified damages. JMT was a subcontractor providing inspection services on the project, but had no responsibility for the contractor's means, methods or safety. JMT was granted summary judgment and dismissed from this claim without any contribution. This matter is pending appeal. *Estate of Mike Alexander v. Northeast Sweepers, et.al.*, Super. Ct. of NJ, No. ESX-L-7229-14.

History/Closed Matters

Pedestrian Trip and Fall: In January 2021, a pedestrian tripped and fell on the sidewalk at a supermarket in Elizabeth NJ, and has since filed suit against the Supermarket, the City as well as multiple other parties. The City has joined its contractor and consultants, including JMT, as third-party defendants to the suit. The complaint alleges that incident occurred due to the negligent upkeep, maintenance, repair or inspection of the sidewalk. JMT provided professional engineering services for the City; but was not responsible for the means and methods of construction, nor the maintenance of the premises. This claim was settled globally by all parties since settlement was more efficient and economical and a better result than funding the cost of continued litigation. *Guzman v. Mega Supermarket, Inc. et al.*, Super. Ct. of NJ, No. UNN-L-003006-21

Traffic Accident: In September 2021, the driver and estate of a passengers involved in a multi-vehicle fatal automobile accident involving a tractor trailer in a construction work zone on I-85 filed suit against the truck driver, owner, construction contractors and JMT. Multiple suits were filed by the motorists involved. The truck driver entered a restricted travel lane and lost control of the truck crashing into several vehicles that were stopped in traffic ahead within the work zone. JMT performed highway design services as a subconsultant on the roadway project where the accident occurred; but JMT was not responsible for the installation of traffic barriers, means and methods of construction, or overall project site safety. These cases were settled and resolved by mutual agreement of the parties, since settlement was more efficient and economical and a better result than funding the cost of continued litigation and appeals. *Goggin v. Blythe Construction, et. Al, US District Ct. (D.S.C.) Case Nos. 7:21-cv-03157-DCC / 7:21-cv-03158-DCC; Hester v. Blythe, et al, 7:22-cv-01190-TMC; Crowder v Blythe et. al, Case No. 7:22-cv-02605-DCC*

Pedestrian Trip and Fall: In May 2019, a pedestrian fell and sprained her ankle in a crosswalk in Philadelphia and has since filed suit against the City as well as multiple other parties, including JMT. The incident location is in the same general area, but across the intersection from a subway station project that JMT was working as a consultant for the local transit agency, and none of the project activities disturbed or affected the crosswalk. There were allegedly roadway depressions and patchwork in the sidewalk from certain unrelated repairs and previous construction which the plaintiff

contends caused/contributed to her injuries. JMT was one of multiple consultants/contractors named as defendants, likely due to periodic excavation activities in the general vicinity; but was ultimately dismissed from this matter without contribution, as JMT had no involvement or activities at the location where plaintiff fell. *Jackson v. City of Philadelphia, et. al et al.*, Ct. of Common Pleas Philadelphia Co., Case No. 210402429.

Pedestrian Trip and Fall: In August 2019, a pedestrian tripped and fell on a sidewalk in Philadelphia, and has since filed suit against the property owner, as well as multiple construction contractors and other parties, including JMT. The complaint alleges that plaintiff tripped on sandbags left on the sidewalk in connection with nearby construction activities. JMT was one of multiple consultants/contractors named as defendants due to its role as a design and construction management / inspection consultant with the Pennsylvania DOT; but JMT did not place and was not responsible for the means and methods of construction, nor the placement of sandbags or other devices on the Project. This case was ultimately settled and voluntarily dismissed. *Chibundu v. Branch Banking et al.*, Ct. of Common Pleas Philadelphia Co., Case No. 210801470.

Contractor Claim. A design build contractor submitted a claim against the design team for costs associated with the construction of a highway widening and resurfacing project on I-85 in South Carolina. A pre-award phase preliminary design was prepared and used by the contractor to estimate construction and material quantities. No allegations involved deficiencies in the final design, but rather Contractor's pricing was based on preliminary plans, and certain drainage components increased in the post award design development process. JMT performed drainage design services as a subconsultant to the lead design firm. The claim was submitted to arbitration and was ultimately settled and resolved by mutual agreement of the parties, since settlement was more efficient and economical than funding the cost of arbitration hearings. *Blythe / Zachary Construction Joint Venture v. Parrish and Partners, et. al.* AAA Case No. 01-19-000-7902

Employment Claim: In September 2019, a former employee filed a charge of discrimination with the EEOC alleging discrimination and retaliation following his termination of employment. The EEOC investigation found no violation and dismissed the claim in December 2020. In March 2021, the employee subsequently filed a lawsuit on the same basis. JMT prevailed and was dismissed from this matter on summary judgment. Rosero *v. Johnson, Mirmiran & Thompson, Inc.*, US Dist. Ct (D.Md) Case No. GLR-21-588

Bicycle Accident: In September 2022, a bicyclist injured on a roadway filed a complaint against the Florida Dept. of Transportation (FDOT) and multiple other parties, including JMT and other FDOT consultants/contractors alleging tort liability as the accident occurred in the vicinity of a construction work zone. The accident occurred in September 2018, and the bicyclist was allegedly injured when the mirror of a passing motor vehicle struck her from behind while driving on a roadway in St. Lucie County, Florida. JMT was a consultant performing Construction Engineering Inspection (CEI) services for FDOT. As the CEI consultant, JMT was not responsible for means and methods of construction or overall project site safety. JMT was dismissed from this matter without contribution. *Curell v Florida Dept. of Transp., et al.*, 19th Judicial Cir. Ct. St. Lucie Co, FL, Case No. 562022CA001297AXXXXHC.

Contractor Claim. A design build contractor filed suit against JMT alleging claims and backcharges arising from costs incurred in connection with the construction of a highway design-build project in South Carolina. JMT served as the lead designer, as a subcontractor to the design-build contractor, but disputed liability for the alleged backcharges as the claimed costs were the result of contractor's own estimates, means and methods of construction, which were not within JMT's scope or responsibility as the design engineer. This case was settled and resolved by mutual agreement of the parties, since settlement was more efficient and economical and a better result than funding the cost of continued litigation and appeals. *Fluor-Lane South Carolina, LLC v. JMT*, 5th Judicial Cir. Ct., Richland Co., SC Case No. 2021CP4002104.

Vehicle Accident: In October 2019, the owner and driver of a vehicle filed suit against several parties, including a highway contractor and JMT for injuries and damage sustained in a 2018 motor vehicle accident that occurred in during snow and ice conditions in Howard County, Maryland. Plaintiffs alleged that the accident occurred due to slippery conditions created by an improper mixture of anti-icing materials applied to the roadway as part of storm pre-treatments by the highway contractors and JMT. JMT was retained as a consultant in connection with roadway maintenance and inspection services, but was not responsible for specifying the mix or applying anti-icing materials to the highway This case was settled, since settlement was more efficient and economical and a better result than funding the cost of continued litigation and appeals. *Thomas Best v. Alfredo Trucking, et.al.*, Circuit Ct. of Howard Co, MD, Case No. C13CV19001057

Traffic Accident: In April 2020, an injured passenger and the estate of a driver involved in a fatal automobile accident each filed suit against the City of Philadelphia and multiple other parties, including JMT and other City consultants/contractors arising from their involvement in the design, inspection and construction of the subject intersection. JMT had performed construction inspection services for the City in connection with a streetscape project along the roadway several years prior to the accident. JMT was not responsible for design, means and methods of construction or overall project site safety and has been dismissed from this matter without contribution. *Glenn v. Ford Motor Co., et al*, Court of Common Pleas Philadelphia Co., Case No. 200401479 / Wheeler v. Ford Motor Co., et al, Case No. 200500902

Contractor Accident: A construction worker was killed when an excavator knocked a concrete barrier into the lower area he was working on a highway construction project along MD-24 in 2015. The estates filed a wrongful death action in January 2018 against multiple parties, including JMT, the State of Maryland, engineering consultants, and other individuals working on the project. JMT was under contract with the state and provided engineering design services, and had no responsibility for construction site safety or the contractor's operations, means, methods or employees. JMT was dismissed from this matter without contribution. *Royston, et al. v. Rummell, Klepper, & Kahl, LLP, et al.*, Cir. Ct. of Baltimore City, MD, Case No. 24-C-18-000110.

