

BRIDGE DESIGN AND MISCELLANEOUS STRUCTURAL ENGINEERING SERVICES, CONTINUING SERVICES CONTRACT



Mar 5, 2025 4:25:39 PM

52° NE

2 North Victoria Park Road
Fort Lauderdale



Feb 25, 2025 12:39:42 PM
291° W

1436 Southeast 13th Street
Fort Lauderdale



Feb 25, 2025 3:27:02 PM
178° S

2941 Northeast 55th Place
Fort Lauderdale

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SECTION 4.2.2

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

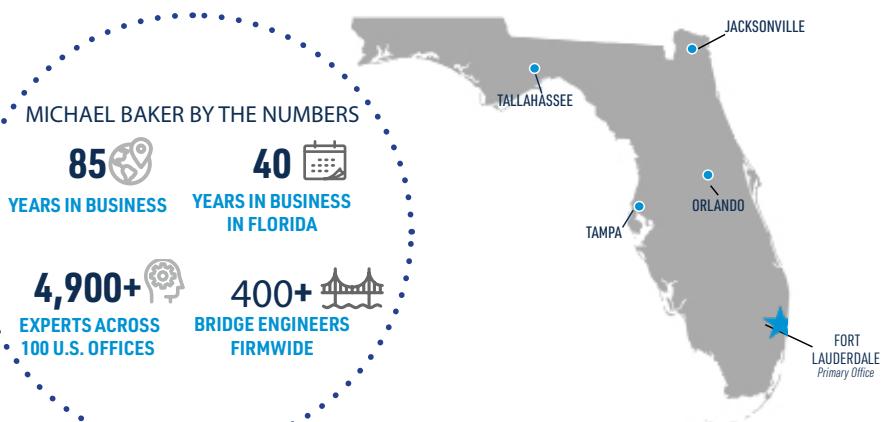
The City of Fort Lauderdale will benefit from Michael Baker's proven leadership, depth of resources, and institutional knowledge gained through managing South Florida bridge and structural projects. Michael Baker, the City's trusted consultant, has worked on several similar projects and is prepared to deliver the Bridge Design & Miscellaneous Structural Engineering Services with the exemplary level of service you have come to know and trust.

Michael Baker is nationally recognized for our expertise in bridge design, training (course development and teaching), and policy/guidance development. Over our 85+ year history, we have developed and taught more than 800 courses to over 30,000 participants for FHWA/NHI, created the Bridge Inspector's Reference Manual (BIRM), and are currently updating it to meet new bridge inspection standards.

We deliver innovative solutions for coastal and marine environments, utilizing multiple data sources and programming techniques to evaluate storm surge, sea level rise, wave height, and wave forces. Recognizing that not all bridges can meet current clearance criteria, we strive to craft optimal solutions for our clients, considering risk, resilience, safety, and cost. Our experience includes assisting federal and state entities with sea level rise impact analysis, coastal risk and vulnerability assessment, coastal flood risk mapping, stormwater system capacity impacts, resiliency planning, mitigation planning, and risk communication and outreach.

Our expertise also extends to concrete spall and crack repairs, beam seat reconstruction, joint resealing, superstructure repairs (such as bearing resets and cracked weld repairs), removal of tack welded plates, anchor bolt replacement, bearing replacement, expansion joint repair and replacement, joint elimination, heat straightening and steel repair, crutch bent designs, overlay design, and utility conduit support repairs.

Our localized team of subconsultants each bringing specialized expertise to this contract. **Green Dade**, headquartered in Miami, is a dedicated electrical engineering firm specializing in utility infrastructure and transportation systems, providing services across South Florida and Puerto Rico. **KEITH**, a majority woman-owned firm with over 60 years of experience, offers landscape architecture, topographic surveying, subsurface utility engineering, and utility coordination, with multiple offices throughout Florida. **Thomas Geotechnical Services (TGS)**, based in West Palm Beach, excels in geotechnical engineering, construction materials testing, and inspections, ensuring quality and responsive service. **HML Public Outreach, LLC (HML)**, located in Miami Springs, specializes in public involvement and community engagement for transportation infrastructure projects, having successfully delivered services on over 250 projects in South Florida. Lastly, **Delta Consultants, LLC (Delta)**, a 100% minority and woman-owned civil engineering firm, focuses on permitting and the seamless execution of major public infrastructure projects, with a strong presence in South Florida.



Key Leadership Team

The Michael Baker Team consists of staff and leadership that live, work, and take recreation in Southeast Florida and have a personal and vested interest in ensuring the quality of life in our region. As members of the community, we have a unique and intimate understanding of the challenges and opportunities associated with this contract. **Our proposed Project Manager, Stephen Fowler, has more than 17 years of experience managing similar South Florida bridge projects, and will leverage his extensive experience to successfully deliver each and every task assigned by the City.**

Our team provides local individuals that have the strength, knowledge, and background to tackle any engineering issue, supported by a deep bench of professionals nationwide. With Michael Baker, the City can expect more than just a consultant - but rather, a partner and extension of your staff that aligns itself with your core values for project success. The key staff highlighted below will lead our team on the proposed project. Each of these team members have extensive experience managing and successfully completing similar projects for clients nationwide. Our team is committed to bringing accuracy, timeliness, and responsiveness to the City of Fort Lauderdale.



STEPHEN FOWLER, PE

PROJECT MANAGER
JACKSONVILLE, FL

Mr. Fowler has over 17 years of experience designing bridges and retaining walls for a wide range of owners, including DOTs, counties, cities, and private organizations. He has led a wide variety of bridge replacement and rehabilitation projects, including a significant number of water-crossings providing critical access to the local community. Some of his similar projects include the bridge replacements of Henley Road Over John Boy Creek and SR A1A Over Little Lake Worth, and the emergency bridge rehabilitation projects at Water Street and Acree Road for the City of Jacksonville.

BRIAN RUSSELL, PE

PRINCIPAL-IN-CHARGE
JACKSONVILLE, FL

Mr. Russell has more than 22 years of experience in construction and transportation engineering and management. He has extensive experience as both Principal and Project Manager on large scale construction projects throughout Florida. Over the past seven years, he has been the Principal-in-Charge for continuous work with the City of Fort Lauderdale. In this role, he has ensured project delivery excellence through staffing assignments, team leadership, and developing a trusted partnership with the leadership at Fort Lauderdale. For this contract, Mr. Russell will continue to be trusted partner to the City of Fort Lauderdale and ensure delivery that exceeds your expectations.

MANDA METZGER, GIP

DEPUTY PROJECT
MANAGER

FORT LAUDERDALE, FL

Ms. Metzger has more than 17 years of CEI experience supporting multiple projects for the City of Fort Lauderdale, U.S. Army Corps of Engineers, and Pittsburgh Water and Sewer Authority. She performed full-time inspection for a new A-24 pump station project for the City of Fort Lauderdale while at the same time taking over her role of Construction Manager. She has since managed sewer projects that include CCTV, full ITCP lining and pipeline assessment. Her design-build experience includes the 60" Redundant Effluent Force Main at the George T Lohmeyer WWTP which is currently under construction.

RYAN FOX, PE

STRUCTURES LEAD
TAMPA, FL

Mr. Fox leads Michael Baker's Florida bridge department, overseeing the group's operations, planning, and execution of work. He has extensive design experience, over his 14-year career, in both concrete and steel structures, having worked on over 40 bridges over water. Some of his projects include FDOT D5 SR 5 / US 1 NB Bridge Replacement over Turnbull Creek, FDOT D7 Ridgemoor Boulevard over Brooker Creek Bridge Replacement, and FDOT D3 - Miccosukee Road. Mr. Fox is also the Structures EOR for FDOT D3 - SR 20 over Lafayette Creek.

SECTION 4.2.3

FIRM QUALIFICATIONS AND EXPERIENCE

PROFESSIONAL QUALIFICATIONS OF FIRM

Michael Baker is a leading provider of engineering and consulting services with practices encompassing all facets of infrastructure, including design, civil engineering, planning, architecture, environmental, construction, and program management. For 85 years, our firm has been a trusted partner to commercial clients, all branches of the military and federal, state, and municipal governments, providing comprehensive services and solutions. Embracing emerging technologies and the latest innovations – like intelligent transportation and design-build project delivery, Michael Baker is an industry leader who delivers expertise and quality. The firm's 4,900+ employees across nearly 100 locations are committed to Making a Difference for clients and communities through a culture of innovation, collaboration, and technological advancement.

Mission

To be the best professional services company in the industry, where We Make a Difference by continuously innovating and delivering outstanding service to our clients and providing our people with fulfilling careers where they attain personal and professional satisfaction and make a demonstrable difference in the communities in which we live and serve.

We Make a Difference by continuously innovating and improving our service to our clients, our people, and the communities we serve.

We accomplish this by:

- ✓ Advising our clients on how to effectively and efficiently reach their goals.
- ✓ Developing our people personally and professionally.
- ✓ Serving our communities through caring and engaging them in our work.
- ✓ Delivering the financial performance necessary to reinvest in our company and our people.

Michael Baker is a nationally ranked design firm by ENR in the following categories:

2024 ENR RANKINGS

THE TOP 500 DESIGN FIRMS

5 Bridges

13 Transportation

16 Highways

Michael Baker offers 400+ bridge engineers nationally, with eight bridge employees specifically located in Florida. Our bridge teams collaborate nationwide to design innovative and sustainable structures which serve as the backbone of our nation's infrastructure for the millions of people who safely travel across them each day. Leveraging our depth and versatility, we've partnered with clients on a full spectrum of bridge types – from conventional-grade separations to major, complex river crossings including trusses, arches, box girders, and cable-stayed bridges. We remain at the forefront of bridge innovation and demonstrate continued leadership by applying the latest advancements in bridge design and inspection to our projects.

We also offer a transportation team of over 1,500 nationally and 100 here in Florida to support the City on this contract. Michael Baker's transportation team is adept in creating reasonable, feasible, and constructible solutions for our clients in this inflationary time to help projects stay within budget. We bring innovation and safety to the forefront of every project to add value for our clients and end users. Our team is proficient in Open Roads and AutoCAD to deliver projects seamlessly.

Our team's extensive knowledge of Federal, AASHTO, and FDOT's requirements positions us well to fulfill the scope of services. In addition, our team includes grant writers who can assist the City in obtaining construction funding for this bridge replacement. The Michael Baker team has the expertise and capacity to deliver on a challenging bridge replacement project with a constrained site. All proposed team members have worked on similar bridge replacement contracts and understand the importance of communication and prompt responses. We recently completed the SR 5 / US 1 NB Bridge Replacement

over Turnbull Creek in Volusia County which is a coastal, low-water bridge crossing in an extremely aggressive environment requiring alternative materials for design. In addition, our team is currently completing the design for Ridgemoor Boulevard over Brooker Creek Bridge Replacement in Pinellas County, which is a low-water bridge crossing over an inland slough with environmentally sensitive lands on either side. These recent and current bridge replacements demonstrate our capability to provide solutions for this contract.

Environmental and Permitting

Our environmental and permitting services staff have a wealth of experience permitting projects and evaluating potential impacts to listed species throughout the State of Florida. We are very familiar with South Florida Water Management District Environmental Resource Permit requirements and U.S. Army Corps of Engineers (USACE) Clean Water Act Section 404 and Rivers and Harbors Act Section 10 Permit requirements. We believe early and continual communication with the permitting agencies through the issuance of the permits is key to maintaining the project schedule. It is recommended the project design and construction methodology be consistent with the project design criteria in the National Marine Fisheries / USACE Jacksonville District's Programmatic Biological Opinion concerning impacts to marine resources to streamline the federal permitting process to the extent possible.

Coastal Bridge Hydraulics

Michael Baker delivers innovative solutions for coastal and marine environments including the use of multiple data sources and programming techniques for the evaluation of storm surge, sea level rise, wave height, and wave forces. We understand not all bridges can satisfy all the current bridge clearance criteria and we, therefore, strive to craft optimal solutions for all of our clients with consideration of risk, resilience, safety, and cost. Our experience includes assisting both federal and state entities with studies related to sea level rise impact analysis, coastal risk and vulnerability assessment, mapping of coastal flood risk, impacts on stormwater system capacity, resiliency planning, mitigation planning, and risk communication and outreach.

Our experience includes serving as lead technical consultant for the **Federal Emergency Management Agency (FEMA)** on the development, calibration, and implementation of hurricane simulations to simulate storm surge hydraulics and **coastal flooding along the entire Atlantic coastline of Georgia and Florida**. We've also recently applied our coastal bridge hydraulic expertise for the **SR 5 / US 1 NB Bridge Replacement over Turnbull Creek** for FDOT District 5 and for the **Maydell Road Bridge over the Tampa Bay Bypass Canal** for Hillsborough County.



Maydell Road Bridge Over the Tampa Bay Bypass Canal

Minimum Qualifications

Michael Baker meets the minimum requirements set forth by the City as demonstrated herein.

REQUIREMENT	REQUIREMENT MET
Proposer or principals shall have relevant experience in constructing additions / modifications to existing public buildings. Project manager assigned to the work must have at least five (5) years' experience in Bridge Design and Miscellaneous Structural Engineering Services and has served as project manager on similar projects.	✓
Before awarding a contract, the City reserves the right to require that a firm submit such evidence of its qualifications as the City may deem necessary. Further, the City may consider any evidence of the financial, technical, and other qualifications and abilities of a firm or principals, including previous experiences of same with the City and performance evaluation for services, in making the award in the best interest of the City.	✓
Firm or principals shall have no record of judgments, pending lawsuits against the City or criminal activities involving moral turpitude and not have any conflicts of interest that have not been waived by the City Commission.	✓
Neither firm nor any principal, office, or stockholder shall be in arrears or in default of any debt or contract involving the City, (as a party to a contract, or otherwise); nor have failed to perform faithfully on any previous contract with the City.	✓
Consultant(s) must be appropriately licensed and registered in the State of Florida in the required field of service.	✓

Business Structure & Contact Information

With more than \$1 billion in annual revenue, Michael Baker is a strong, financially-stable firm with no bankruptcy, closures, mergers, or organizational conflicts that would impede the firm's ability to complete services under this contract. Michael Baker has a noted history of fiscal responsibility. Since the firm's establishment, we have demonstrated a responsible approach to financial matters. Our prudent fiscal policies extend beyond corporate finances to the hundreds of millions of dollars in federal, state, and local funds spent on projects planned and designed by us.

Firm Legal Name	Contact Person	Address	
Michael Baker International, Inc.	Brian Russell, PE	110 E. Broward Boulevard Suite 1700 Fort Lauderdale, FL 33301	
Phone	Fax	Email	Website
904-380-2507	N/A	brussell@mbakerintl.com	www.mbakernl.com
Years in Business	Structure	Firm Size	Bank Reference
85	Corporation; Registered in the State of Florida; Non-DBE	Management Staff: 238 Technical Staff: 3,398 Support Staff: 628	Macquarie Capital Funding Phone: 212-231-1000



RIDGEMOOR BOULEVARD AT BROOKER CREEK BRIDGE REPLACEMENT

Pinellas County, FL

This project provides design services for the replacement of Bridge #154153 Ridgemoor Boulevard over Brooker Creek. It encompasses a BDR and final design plans for the bridge replacement of the existing off-system sono-void flat slab bridge. The proposed bridge will be a 134- foot long two-span structure being maintained on the existing alignment that will be widening to include a new barrier protected sidewalk along the southern edge. The temporary traffic control design requires a one-way temporary condition and phased demolition



on the existing bridge and the proposed phased bridge. Michael Baker is self-performing the bridge hydraulics to establish a final roadway profile providing adequate vertical drift clearance and ensuring compliance with the requirements of the FEMA No-Rise certification. Additional design services Michael Baker is providing on this project include: roadway reconstruction, permitting, pedestrian improvements, and signing and pavement markings.



Client: FDOT - District 7

Contact:

Mark Dunn, PE
FDOT GEC Project Manager
11201 N. McKinley Drive,
MS 7-600, Tampa, FL 33612
813-975-4248
mark.dunn@dot.state.fl.us

Project Costs:

\$7.5M (Construction)
\$910,567(Fee)

Completion Date:

Est. 2027





SR 5 / US 1 NORTHBOUND BRIDGE REPLACEMENT OVER TURNBULL CREEK

Volusia County, FL

Michael Baker is providing services for replacement of the structurally deficient SR 5 US 1 NB Bridge over Turnbull Creek (#790086). The proposed structure will be a 180-foot four-span flat slab bridge. This structure will utilize a shallow structural depth to minimize the profile rise affects on the approaches and to meet bridge hydraulic recommendation. Due to the extremely aggressive environment, the proposed low-water crossing is being designed with alternative materials (Stainless Steel strands and Stainless Steel reinforcement). Turnbull Creek is a non-tidal stream affected by hurricane surge and riverine flood discharge.

Michael Baker is self-performing the bridge hydraulics and coastal analysis for the project. The upstream basin is 27,597 acres.

The roadway design includes approximately 500 feet of reconstruction on each bridge end and another 500 feet of resurfacing. The replacement of the NB span in its present location requires a one-lane each way diversion of NB traffic to the SB structure. In total, the one-lane each way diversion is 4,500 feet long to transfer NB traffic to the SB side of US 1. Temporary traffic control design for the diversion along with temporary lighting are proposed to alert drivers to the diversion at night in this high speed rural environment. Since the project is located in a floodplain and has no capacity improvements, drainage design will be nominal to address the runoff at the bridge ends.

Client: FDOT - District 5

Contact: Gene Varano
Project Manager
719 S. Woodland
Boulevard, MS 542
Deland, FL 32720
386-663-2754
gene.varano@dot.state.fl.us

Project Costs:
\$9M (est. Construction)
\$993,890 (Fee)

Completion Date:
06/30/2026 (est.)





MICCOSUKEE ROAD OVER BRANCH OF ALFORD ARM BRIDGE REPLACEMENT

Leon County, FL

Michael Baker is preparing construction documents for the replacement of the Miccosukee Road Bridge that crosses the Alford Arm Tributary (Bridge No. 550051). The existing steel rolled section bridge supported by timber piling. The original replacement bridge concept was replaced with a five-cell reinforced concrete box culvert.

The proposed culvert will be constructed in four phases allowing constant vehicle movement on the roadway as well as maintaining an open stream channel at all

times. The project footprint was reduced to minimize the impacts to existing protected trees along right of way boundaries.

Miccosukee Road is designated by Leon County as a "Canopy Road" requiring minimization of tree impacts. The selected structural type minimized the required adjustment of the vertical profile for the Miccosukee Road and provided the most economical solution with lowest environmental impacts.

Client: Leon County

Contact: Charles Wu, PE
PW Director of Eng.
Services
2280 Miccosukee Road
Tallahassee, FL 32308
850-606-1500
WuC@leoncountyfl.gov

Project Costs:
\$3.4M (Construction)
\$831,747 (Fee)

Completion Date:
2023





10TH AND 11TH AVENUE SOUTH BOOKER CREEK BRIDGE

Pinellas County, FL

The purpose of this project was to design the most economical approach to repair the existing two-cell, cast-in-place concrete box culvert under 10th Avenue South from its northwest end at Booker Creek to the intersection with 5th Street South (approximately 382 feet), as well as southward approximately 150 feet under 5th Street South, and to repair the existing three-to-five-cell portion of the same culvert under 5th Street South and 11th Avenue South. Improvements incidental to the culvert replacement work included road and sidewalk reconstruction and Americans with Disabilities Act (ADA) curb ramp upgrades.

Michael Baker analyzed and documented drainage tasks, designed a drainage and stormwater management system, and developed a bridge hydraulic report to evaluate directing the Booker Creek flow to the south to Bridge No. 157213 and reducing flow to Bridge No. 157235. The hydraulic analysis also determined if the weir at the entrance to Bridge No. 157235 could be removed.

Michael Baker provided an approved typical section package, pavement design package, horizontal and vertical master design files, and cross sections and designed a safe

and effective traffic control plan to move vehicular and pedestrian traffic during all phases of construction. The design included construction phasing of the roadways' ingresses and egresses to existing property owners and businesses, transit agency features (bus stops, etc.), routing, signing and pavement markings, detour quantity tabulations, roadway pavement, drainage structures, ditches, front slopes, back slopes, drop offs, and traffic monitoring sites.

Michael Baker also provided:

- Regulatory agency coordination
- Preliminary wildlife and archaeological and historic structures surveys
- Public involvement and development of a fact sheet and informational brochure, newsletters, and other necessary materials
- Control survey maps; right-of-way maps, maintenance map, sketches, and legal descriptions as required
- Geotechnical investigation
- Construction assistance services including plan revisions, shop drawing review, survey services, as-built drawings, and load ratings

Client: FDOT, District 7

Contact: Dejuana Genco
Project Manager
11201 North McKinley
Drive
Tampa, FL 33612
813-975-6244
dejuana.genco@dot.state.fl.us

Project Costs:
\$1.9M (Construction)
\$1,056,746 (Fee)

Completion Date:
2021



US 98 BRIDGES OVER EAST PASS PRELIMINARY BRIDGE REPAIR PLAN, COST ESTIMATE, AND LIFE CYCLE COST ANALYSIS

Okaloosa County, FL

Michael Baker will undertake a comprehensive project to extend the lifespan of two crucial bridges carrying US 98 traffic over East Pass (Bridge #570054 and #570082). These bridges are pivotal for regional transportation, facilitating smooth transit and commerce. The primary objective is to address immediate and long-term repair needs, extending the bridges' operational life by approximately 15 years, contingent on various factors including material performance and environmental conditions.

The scope of work involves a thorough review and assessment of existing structural data and comprehensive bridge reports to determine the necessary repairs. Michael Baker will evaluate specific repair options and develop a set of Phase I (30%) bridge repair plans. These plans will include a detailed list of quantities for each repair item, serving as the basis for the cost estimate essential for the Life Cycle Cost Analysis (LCCA). The LCCA will compare the estimated repair costs versus replacement costs, providing a clear picture of the most cost-effective approach.

The project will include installing new Cathodic Protection (CP) systems on pier

walls and piles, as well as repairing or upgrading existing CP systems. Bearings will be maintained through cleaning, painting, and replacing as necessary. Concrete repairs on both substructures and superstructures will be executed, addressing issues such as spalling and cracks. Epoxy injections will be applied to cracks in superstructure elements, and CFRP (Carbon Fiber Reinforced Polymer) wraps will be used to strengthen and restore the load-bearing capacity of damaged beams. Additionally, one alternative beam strengthening method will be applied as directed by the department.

Critical tasks include cleaning and repairing or replacing expansion joints, restoring slope protection systems, and performing additional repairs identified during inspections. Michael Baker and FDOT are committed to maintaining the safety and durability of these infrastructure components. Beyond structural repairs, Michael Baker will manage project coordination, integrating various engineering disciplines such as roadway engineering, hydraulic design, signalization, signing and marking, and permitting. Public involvement will ensure community engagement and support.

Client: FDOT, District 3

Contact: Shawn Justice, PE
GEC Project Manager
1074 Highway 90
Chipley, FL 32428
850-845-0310
sjustice@moffattnichol.com

Project Costs:
\$555,926 (Fee)

Completion Date:
December 2025
(Estimated)

MICHAEL BAKER'S ABILITY TO MEET THE TIME & BUDGET REQUIREMENTS

With a highly skilled and diverse team, Michael Baker has the expertise to successfully manage and execute complex projects across the southern region. Our ability to work within our clients' timelines allows us to address project challenges with innovative solutions and industry best practices, all while meeting the City's schedule and budget requirements.

The Michael Baker team is available and ready to start work as soon as the notice of award is confirmed. Through the management of numerous bridge replacement contracts for a variety of clients, Michael Baker has demonstrated our ability to meet or exceed the client's deadlines and budget requirements. We also have the capacity to quickly mobilize the appropriate staff to address project needs and ensure our commitment to the project schedule. The key to effective schedule control is developing a detailed timeline identifying required tasks, sequence of work, critical path deliverables, review periods and specific milestone dates.

BELOW ARE TESTIMONIALS FROM MICHAEL BAKER'S CLIENTS HIGHLIGHTING OUR STRONG PERFORMANCE AND ABILITY TO MEET PROJECT DEADLINES AND BUDGET REQUIREMENTS:

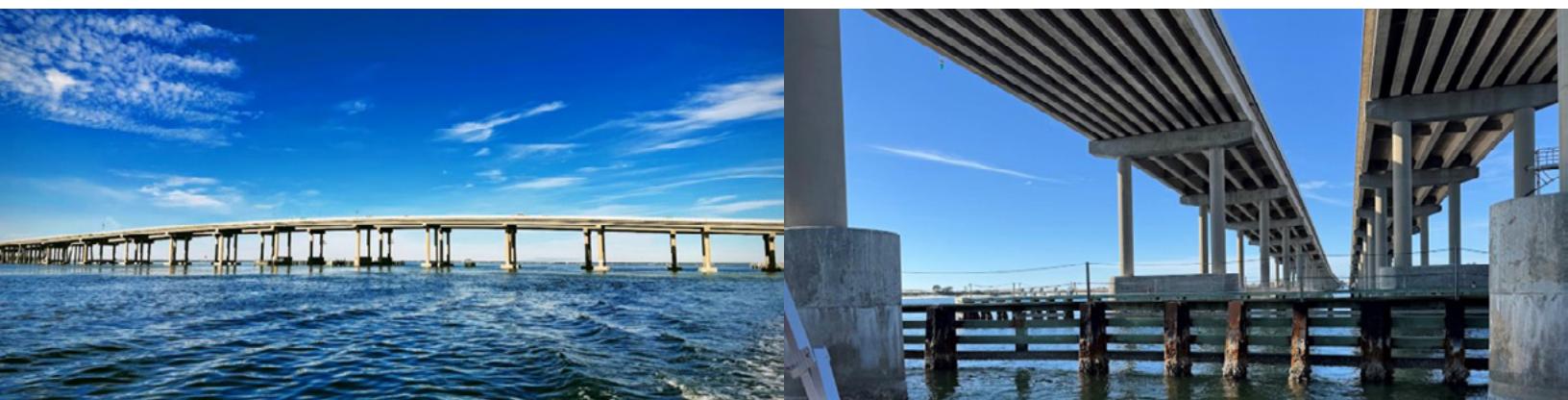
"Michael Baker has performed all services in conformance with agreed upon schedule and budget. They have been responsive and agile in their services, ensuring the City is able to provide timely services required to its citizens." - City of Houston

"MBI has provided excellent service on this contract in providing quality plans and timely responses to critical issues." - St. Pete Beach

"Michael Baker consistently provides exceptional, cost effective service, and are very responsive to any questions or concerns that we have encountered with any of the above tasks. They deliver quality work products in a timely manner." - City of Treasure Island

"We have found them to provide exceptional services along with being cost effective and very responsive to any questions or concerns that we have encountered with any of the above tasks." - City of Kissimmee

"Thanks to their staff members' expertise and existing relationships with state and federal agencies, the procurement, application, and implementation processes were seamless. We could not have been happier with their performance." - Washington County



US 98 Bridges over East Pass

MICHAEL BAKER'S SUSTAINABLE BUSINESS PRACTICES

The Michael Baker team understands our responsibility to be an example to others in efforts to conserve resources and "go green." We apply the same expertise that we offer our clients for sustainability to our own daily practices and operations. Collaboratively, we identify and implement options that reduce energy use in our offices, reduce waste, and support employee access to alternative transit or flex schedules.

We apply sustainable business practices in our daily operations and in the projects we manage. Michael Baker created the Green Sustainable Construction Operation Rating (GreenSCOR) process to provide a method for measuring sustainability during construction. GreenSCOR measures how well the contractor has incorporated the sustainable design features of the project into the construction phase of the contract and the sustainable best practices of the contractor in its operations.

Michael Baker has also developed measurement tools based on the GreenSCOR system to measure contractors' performance in quality and safety. Michael Baker is building the appropriate tools and applications to succeed in this endeavor and to better serve our clients and the communities where employees live and work. Through this initiative, Michael Baker is achieving its purpose statement: **Creating value by delivering innovative and sustainable solutions for infrastructure and the environment.**

MICHAEL BAKER'S FIRM LICENSE & STATE REGISTRATION

*State of Florida
Department of State*

I certify from the records of this office that MICHAEL BAKER INTERNATIONAL, INC. is a Pennsylvania corporation authorized to transact business in the State of Florida, qualified on December 29, 1972.

The document number of this corporation is 829243.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 8, 2024, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Eighth day of January, 2024*



E. B. J.
Secretary of State

Tracking Number: 0163516082CC

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

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

CITY OF FORT LAUDERDALE ■ BRIDGE DESIGN & MISCELLANEOUS STRUCTURAL ENGINEERING SERVICES

8/30/2021 [Detail by Entity Name](#) [Division of Corporations](#)


Division of
CORPORATIONS
an official State of Florida website

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

Detail by Entity Name

Foreign Profit Corporation
MICHAEL BAKER INTERNATIONAL, INC.

Entity Information

Document Number	829243
FEIN/IN Number	25-1228638
Date Filed	12/29/1972
State	PA
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	02/01/2021
Event Effective Date	NONE

Principal Address

500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Changed: 04/22/2021

Mailing Address

100 Ainslie Dr.
Moon Township, PA 15108

Changed: 08/18/2021

Registered Agent Name & Address

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

Name Changed: 07/13/1992

Address Changed: 07/13/1992

Officer/Director Data

Name & Address

Title President & Chief Executive Officer
Lutes, Brian

search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquirytype=EntityName&directionType=Initial&searchNameOrder=MICHAELBAKE... 1/4

8/30/2021 [Detail by Entity Name](#)

500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Title Director

Tedder, John M
500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Title Director

Davis, Amy N
500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Title Director

Lutes, Brian A
500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Title Executive Vice President & Chief Legal Officer & Secretary

Tedder, John M
500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Title Executive Vice President & Chief Financial Officer

Davis, Amy N
500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Title Vice President & Director - Contracts and Procurement, Assistant Secretary

Raymond, Shrift
500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Title Associate Vice President & Office Manager

McDaniel, Aaron
515 North Flagler Drive, Suite 303
West Palm Beach, FL 33401

Title Senior Vice President & Regional Director

search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquirytype=EntityName&directionType=Initial&searchNameOrder=MICHAELBAKE... 2/4

8/30/2021 [Detail by Entity Name](#)

Montgomery, Thomas
420 Technology Pkwy, Suite 150
Norcross, GA 30092

Title Vice President & Office Executive

Russell, Brian
12740 Gran Bay Parkway West, Suite 2110
Jacksonville, FL 32258

Title Vice President & Office Executive

Robert, Pitchford
4211 West Boy Scout Blvd., Suite 500
Tampa, FL 33607

Title Associate Vice President & Office Manager

Roberts, Jeffrey
2318 Killian Center Boulevard, Suite 201-A
Tallahassee, FL 32309

Title Associate Vice President & Office Manager

Snead, Paul
200 South Orange Avenue, Suite 1050
Orlando, FL 32801

Title Vice President & Vice President, SSC & Treasurer

Bell, Jill G
500 Grant Street
Suite 5400
Pittsburgh, PA 15219

Annual Reports

Report Year	Filed Date
2021	04/22/2021
2021	08/18/2021
2021	08/30/2021

Document Images

00/00/2021 – AMENDED ANNUAL REPORT	View image in PDF format
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00/22/2021 – ANNUAL REPORT	View image in PDF format
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01/13/2021 – Amended	View image in PDF format
00/24/2020 – AMENDED ANNUAL REPORT	View image in PDF format
01/03/2020 – ANNUAL REPORT	View image in PDF format

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8/30/2021 [Detail by Entity Name](#)

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03/01/2017 – AMENDED ANNUAL REPORT	View image in PDF format
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01/20/2016 – AMENDED ANNUAL REPORT	View image in PDF format
01/03/2016 – ANNUAL REPORT	View image in PDF format
03/08/2015 – Name Change	View image in PDF format
03/26/2015 – AMENDED ANNUAL REPORT	View image in PDF format
04/06/2015 – ANNUAL REPORT	View image in PDF format
03/19/2014 – AMENDED ANNUAL REPORT	View image in PDF format
03/19/2014 – ANNUAL REPORT	View image in PDF format
06/02/2013 – AMENDED ANNUAL REPORT	View image in PDF format
04/11/2013 – ANNUAL REPORT	View image in PDF format
03/03/2012 – Amended	View image in PDF format
01/07/2012 – ANNUAL REPORT	View image in PDF format
11/17/2011 – ANNUAL REPORT	View image in PDF format
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CITY OF FORT LAUDERDALE ■ BRIDGE DESIGN & MISCELLANEOUS STRUCTURAL ENGINEERING SERVICES

850-617-0361 7/7/2015 11:58:38 AM PAGE 1/201 Fax Server

7/6/2015 10:14:44 AM From: Tel: (850)617-6101
Division of Corporations

7/6/2015 10:14:44 AM From: To: 8506176380 (2/5)

COVER LETTER

TO: Amendment Section
Division of Corporations

SUBJECT: Michael Baker, Jr., Inc. FILED
2015 JUL 6 AM 9:24
FLORIDA SECRETARY OF STATE
RECEIVED BY FLORIDA

DOCUMENT NUMBER: 429343

The enclosed Amendment and fee are submitted for filing.

Please return all correspondence concerning this matter to the following:

Name of Contact Person

Firm/Company

Address

City/State and Zip Code

mgm@unica@bellsouth.net

E-mail address: (to be used for future annual report notification)

For further information concerning this matter, please call:

Name of Contact Person at (_____) Area Code & Daytime Telephone Number

Enclosed is a check for the following amount:

\$33.00 Filing Fee \$43.75 Filing Fee & Certificate of Status \$43.75 Filing Fee & Certified Copy (_____) \$52.50 Filing Fee & Certificate of Status & Certified Copy (Additional copy is \$1.00)

Mailing Address:
Amendment Section
Division of Corporations
P.O. Box 6327
Tallahassee, FL 32314

Street Address:
Amendment Section
Division of Corporations
Citation Building
2661 Executive Center Circle
Tallahassee, FL 32301

FD-204 (Rev. 4-2004) (2) Filing Manager Version

7/6/2015 10:14:44 AM From: Tel: 8506176380| 3/5

7/6/2015 10:14:44 AM From: To: 85061763801 4/5)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF STATE
July 2, 2015
TO ALL WHOM THESE PRESENTS SHALL COME, GREETING:

I DO HEREBY CERTIFY, That from an examination of the indices and Records of this Department, it appears that Articles of Amendment were filed pursuant to the laws of the Commonwealth of Pennsylvania on June 30, 2015 for Michael Baker Jr., Inc., a Pennsylvania corporation incorporated on April 28, 1972, whereby the corporate name was changed to Michael Baker International, Inc.

I DO FURTHER CERTIFY, That this shall not imply that all fees, taxes, and penalties owed to the Commonwealth of Pennsylvania are paid.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Seal of the Secretary's Office to be affixed, the day and year above written.

Pedro A. Condes
Secretary of the Commonwealth



7/6/2015 10:14:44 AM From: To: 85061763801 5/5)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF STATE
JULY 2, 2015
TO ALL WHOM THESE PRESENTS SHALL COME, GREETING:

I DO HEREBY CERTIFY THAT,

Michael Baker International, Inc.
is duly incorporated as a Pennsylvania Business Corporation under the laws of the Commonwealth of Pennsylvania and remains subsisting so far as the records of this office show, as of the date herein.

I DO FURTHER CERTIFY THAT, This Subsistence Certificate shall not imply that all fees, taxes, and penalties owed to the Commonwealth of Pennsylvania are paid.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Seal of the Secretary's Office to be affixed, the day and year above written.

Pedro A. Condes
Secretary of the Commonwealth



Certificate Number: 27194325-1
Verify this certificate online at <http://www.corporations.state.pa.us/corp/so/blkbrnly.asp>

STATE OF FLORIDA
DEPARTMENT OF STATE
*cc: Dick
and
Pam*

I, RICHARD (DICK) STONE, Secretary of State of the State of Florida, do hereby certify that

MICHAEL BAKER, JR., INC.

a Corporation, duly organized and existing under and by virtue of the laws of the State of PENNSYLVANIA, desiring to transact business in the State of Florida, has filed in the office of the Secretary of State of the State of Florida, a duly authenticated copy of its Articles of Incorporation, and has paid to the State of Florida a charter tax based upon the amount of capital employed within the State of Florida, which is: EIGHTY CENTS (\$0.80) Being the amount the corporation affirms has employed or expects to employ within the State of Florida, together with the fees of the Secretary of State for issuing this Permit, pursuant to Chapter 613, Florida Statutes, which prescribes the terms and conditions upon which foreign corporations for profit may transact business, or acquire, hold or dispose of property in this State.

I further certify that said

MICHAEL BAKER, JR., INC.
Number F-29,243
Is authorized and permitted to exercise all the powers and privileges as like corporations organized under the laws of the State of Florida, so long as the amount of capital employed within the State of Florida does not exceed the amount said corporation has heretofore paid a tax on; and to acquire, hold or dispose of property in the State of Florida, for the objects and purposes, and with the rights, powers and privileges contained in and provided by its said Articles of Incorporation.

GIVEN under my hand and the Great Seal of the State of Florida, at Tallahassee, the Capital, this 29th day of December, A.D., 19 72.

Richard (Dick) Stone
SECRETARY OF STATE

corp-89
3-29-72

THOMAS GEOTECHNICAL FIRM LICENSE

State of Florida Department of State

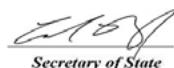
I certify from the records of this office that THOMAS GEOTECHNICAL SERVICES, LLC is a limited liability company organized under the laws of the State of Florida, filed on April 9, 2020, effective April 8, 2020.

The document number of this limited liability company is L20000099852.

I further certify that said limited liability company has paid all fees due this office through December 31, 2025, that its most recent annual report was filed on January 16, 2025, and that its status is active.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Sixteenth day of January, 2025*




Secretary of State

Tracking Number: 8216239866CC
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<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

DELTA CONSULTING FIRM LICENSE

State of Florida Department of State

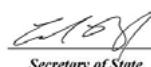
I certify from the records of this office that DELTA CONSULTANTS, LLC is a limited liability company organized under the laws of the State of Florida, filed on March 25, 2021.

The document number of this limited liability company is L21000141487.

I further certify that said limited liability company has paid all fees due this office through December 31, 2024, that its most recent annual report was filed on January 17, 2024, and that its status is active.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Seventeenth day of January,
2024*




Secretary of State

Tracking Number: 3277747878CC
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

KEITH FIRM LICENSE

State of Florida Department of State

I certify from the records of this office that KEITH AND ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 20, 1998, effective January 16, 1998.

The document number of this corporation is P98000006011.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 31, 2025, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Thirty-first day of January,
2025*



Secretary of State

Tracking Number: 8022148786CC
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
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GREEN DADE FIRM LICENSE

State of Florida Department of State

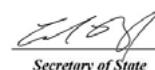
I certify from the records of this office that GREEN DADE, INC is a corporation organized under the laws of the State of Florida, filed on August 23, 2021.

The document number of this corporation is P21000075351.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 17, 2025, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Seventeenth day of January,
2025*



Secretary of State

Tracking Number: 5419447614CC
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

HLM PUBLIC OUTREACH FIRM LICENSE

<p><i>State of Florida</i> <i>Department of State</i></p> <p>I certify from the records of this office that HML PUBLIC OUTREACH LLC is a limited liability company organized under the laws of the State of Florida, filed on April 20, 2010.</p> <p>The document number of this limited liability company is L10000042405.</p> <p>I further certify that said limited liability company has paid all fees due this office through December 31, 2025, that its most recent annual report was filed on January 13, 2025, and that its status is active.</p> <p><i>[Signature]</i> Secretary of State</p> <p>Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Thirteenth day of January, 2025</p> <p>Tracking Number: 8927388368CC To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed. https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication</p>

SECTION 4.2.4

QUALIFICATIONS OF THE PROJECT TEAM

QUALIFICATIONS OF STAFF

Project Manager: Stephen Fowler, PE

Mr. Stephen Fowler, PE is our proposed Project Manager and provides over 17 years of experience designing bridges and retaining walls for a wide range of owners, including DOTs, counties, cities, and private organizations. He has led a wide variety of bridge replacement and rehabilitation projects, including a significant number of water-crossings providing critical access to the local community. Some of his similar projects include the bridge replacements of Henley Road Over John Boy Creek (Clay County, FL) and SR A1A Over Little Lake Worth (Palm Beach County, FL), and the emergency bridge rehabilitation projects at Water Street and Acree Road for the City of Jacksonville. He has previously served as PM for FDOT District 2's Districtwide Miscellaneous Structures Design and Sisters Creek Bridge Replacement projects.

As the PM, his approach will be to prioritize this contract and provide open and clear communication between himself and the City of Fort Lauderdale's PM, Raymond Nazaire, PE, CGC. He will oversee all aspects of the project from planning through final design and construction, ensuring that the project adheres to the budget, quality, and schedule requirements of the contract. He will coordinate with city staff, local stakeholders, contractors, and permitting agencies, to quickly address any challenges that arise and to ensure that the project meets all regulatory requirements. Mr. Fowler's level of involvement will be comprehensive, as he will be actively engaged in every phase of the project, providing leadership and guidance to the project team and ensuring that all project goals are achieved.

Deputy Project Manager: Manda Metzger, GIP

Ms. Manda Metzger is an efficient, hands-on construction professional with institutional knowledge of the public utility industry from working at Pittsburgh Water and Sewer Authority for almost 14 years. Her experience with permitting and pre-construction efforts in the private development sector, specifically working with DEP and NPDES permitting, continues to be a valuable resource for her clients. She possesses the ability to plan, organize, coordinate, and manage the construction work for local and national owners, as well as highly visible water, sewer and storm utility projects. Ms. Metzger has extensive utility coordination and stakeholder engagement experience. In the last two plus years that Ms. Metzger has been with Michael Baker, she has worked in Pittsburgh, Pennsylvania with Duquesne Light Company managing projects that included upgrading an Acid Mine Drainage Treatment Plant and building renovations. She also worked with local municipalities surrounding the city of Pittsburgh on roadway and paving programs which followed the PENNDOT standards. After moving to Fort Lauderdale in June 2023, Ms. Metzger performed full-time inspection for a new pump station project for the City of Fort Lauderdale while at the same time taking over her native role of Construction Manager. She has since managed sewer projects that include CCTV, full ITCP lining and assessment. Her design-build experience includes the 60" Redundant Effluent Force Main at the George T Lohmeyer WWTP which is currently under construction. Ms. Metzger will act as the local project representative, she will attend meetings, site visits and meet any in-person needs from the project team.

Principal-In-Charge: Brian Russell, PE

Mr. Brian Russell has more than 22 years of experience in construction and transportation engineering and management. He has extensive experience as both Principal and Project Manager on large scale construction projects throughout Florida. Over the past seven years, he has been the Principal-in-Charge for continuous work with the City of Fort Lauderdale. In this role, he has ensured project delivery excellence through staffing assignments, team leadership, and developing a trusted partnership with the leadership at Fort Lauderdale. For this contract, Mr. Russell will continue to be trusted partner to the City of Fort Lauderdale and ensure delivery that exceeds your expectations.

QA/QC Manager and ROW / Cost Estimates: Kyle Harper, PE

Mr. Kyle Harper brings 30 years of experience in leading transportation and civil infrastructure projects. Mr. Harper is Michael Baker's transportation leader for the State of Florida and will ensure on time delivery and high-quality work products for the City. He also brings immense value in the QA/QC role having recently managed the design for SR 5/US 1 NB over Turnbull Creek Bridge Replacement for FDOT District 5 which was a coastal bridge replacement in Volusia County. Additionally, Mr.

Harper has two and half years of construction experience and has managed six design-build projects in various capacities, providing him with valuable insights into construction practices and costs. He understands project costs are ultimately determined by contractors in the marketplace and his experience as a contractor along with his significant contractor relationships will assist the Michael Baker team in tracking accurate construction costs throughout the design life of the project.

Structures Lead: **Ryan Fox, PE**

Mr. Ryan Fox leads Michael Baker's Florida bridge department, overseeing the group's operations, planning, and execution of work. He has extensive design experience, over his 14-year career, in both concrete and steel structures, having worked on over 40 bridges over water. Some of his projects include FDOT D5 SR 5 / US 1 NB Bridge Replacement over Turnbull Creek, FDOT D7 Ridgemoor Boulevard over Brooker Creek Bridge Replacement, and FDOT D3 - Miccosukee Road. Mr. Fox is also the Structures EOR for FDOT D3 - SR 20 over Lafayette Creek. His experience encompasses a variety of bridge types, including bridges over water, multilevel interchange bridges, conventional grade-separated bridges, highway and rail bridges, prestressed concrete structures, steel plate girder structures, retaining walls, bulkhead walls, and other miscellaneous structures. Notably, he was the lead design engineer for the new bulkhead walls for FDOT D7 - Howard Frankland Bridge, a significant coastal bridge over Tampa Bay. Mr. Fox will contribute to the project by leveraging his extensive experience and leadership skills to oversee the design and execution phases. In his capacity as the Structures Lead, he will develop value-added solutions and ensure the delivery of high-quality engineering results through effective collaboration with other project disciplines. His level of involvement will be comprehensive, encompassing all aspects of the project from planning to final execution.

Roadway Lead: **Nate Willbur, PE, RSP1**

Mr. Nate Willbur has successfully led EOR and project manager roles on Michael Baker's FDOT D5 SR 5 / US 1 NB Bridge Replacement over Turnbull Creek and FDOT D7 Ridgemoor Boulevard over Brooker Creek Bridge Replacement projects. He is currently spearheading the alternatives development for our FDOT D3 SR 10 Multi-Use Trail PDE. In his role, Mr. Willbur will oversee the roadway approach aspects and ensure they meet City of Fort Lauderdale Specification, the FDOT Greenbook, or the FDOT Design Manual, as required by the owner and funding source. We will ensure our designs meet ADA standards and accommodate bicycles, pedestrians, and transit at all touch down points and intersections. He has extensive experience with bridge replacement, safety, resurfacing, greenfield, and capacity projects for FDOT and municipalities. Safety is our top priority in developing roadway designs. We are committed to delivering safe, high-quality, sustainable, and inclusive roadway designs enhancing the county's transportation infrastructure.

TTCP Lead: **Tim Wineberg, PE**

Mr. Tim Wineberg has 13 years of experience as an EOR for roadway, TTCP, and SPM design for FDOT, County, and City projects. He was the Roadway, TTCP, and SPM EOR for the Ridgemoor Boulevard Bridge Replacement, a county-owned project administered by FDOT D7, where he developed a TTCP concept with automated signals to support the phased replacement of the existing bridge. Mr. Wineberg also provided TTCP design for the SR 5 / US 1 Bridge Replacement over Turnbull Creek for FDOT D5, which included a temporary diversion with lane reductions. Additionally, he has created TTCP concepts for full detours of traffic to accelerate construction. Mr. Wineberg served as the TTCP EOR for CSC bridge repair contracts in FDOT D4 and D3, coordinating with district staff to ensure safety during construction. For this project, Mr. Wineberg will collaborate closely with the structures group during alternative development to ensure each option is constructable and provides safe working conditions for both workers and the traveling public. His extensive knowledge of FDOT, Greenbook, and local criteria qualifies him as a suitable candidate for the TTCP and SPM EOR role in this project.

Drainage / Hydraulics Lead: **Paul Snead, PE**

Mr. Paul Snead leads Michael Baker's Florida drainage department, bringing nearly 30 yrs of extensive FDOT drainage and bridge hydraulics experience to this project. He recently served as the drainage EOR for the D5 SR 5 / US 1 NB Bridge Replacement over Turnbull Creek and Maydell Road over Tampa Bay Bypass Canal, both coastal bridges, and the D7 Ridgemoor Boulevard over Brooker Creek Bridge Replacement and D3 SR 20 Bridge over Lafayette Creek. He is currently the

CITY OF FORT LAUDERDALE ■ BRIDGE DESIGN & MISCELLANEOUS STRUCTURAL ENGINEERING SERVICES project manager and drainage EOR for the Old Palm City North Resiliency & Infrastructure design project for Martin County. Mr. Snead has a thorough understanding of FDOT, SFWMD, FEMA, and local requirements, which he will apply to this project. He will coordinate effectively with other project disciplines to provide optimal designs which meet or exceed expectations.

Environmental Lead: Jay Gable

Mr. Jay Gable brings 30 years of experience as an environmental scientist in the southeastern United States. His expertise includes performing wetland delineations, protected species surveys, and seagrass surveys for permit applications in Southeast Florida and throughout the state. He is well-versed in the South Florida Water Management District's Environmental Resource Permitting process and the USACE Section 404 permitting process. Mr. Gable has extensive experience with permitting bridge replacement projects for the FDOT, FDEP, and the Florida Fish and Wildlife Conservation Commission. He is also skilled in preparing U.S. Coast Guard Bridge permit applications. Additionally, he has prepared documentation in compliance with NEPA, including categorical exclusions, environmental assessments, and environmental impact statements. Mr. Gable would perform the environmental field surveys for the project and, with assistance from the design team, would be responsible for preparing the South Florida Water Management District and the USACE Section 404 permit applications for each bridge project.

Constructibility Lead: Wilbur Wright, PE

Mr. Wilbur Wright leads Michael Baker's CEI team and brings upwards of 20 years of experience in the industry. He has served in several different capacities which include Owner, General Contractor, and CEI. This wide range of vantage points has allowed him to approach each project and scope with a full understanding of all variables at hand. Mr. Wright has served as Sr. Inspector, Project Engineer, Project Manager, Program Manager and Resident Engineer throughout his career which has involved oversight on multiple relevant projects that include new bridge placement and bridge jacking (US Army Corps of Engineers - Ft. Benning, GA), existing bridge widening and movable bridge ramp replacement (Jacksonville Transportation Authority, FL). Additionally, he has extensive knowledge working in marine and harsh water environments, as demonstrated on his rehabilitation of the Nuclear Submarine Explosive Handling Wharf (EHW2) at Kings Bay (Kings Bay Naval Facility, GA), replacement of culvert Hydraulic Flap Gates for the USACE C-12 project in Belle Glade FL (US Army Corps of Engineers, FL) and installation of seawalls and bulkheads for the St. Johns River Ferry Terminal (Jacksonville Transportation Authority, FL). Mr. Wright will effectively manage and coordinate delivery for all the City's needs under this Contract.

Traffic Lead: Angela Potraza, PE, PTOE

Ms. Angela Potraza understands the importance of traffic engineering and is keenly aware of the tremendous impact traffic has on daily life. She has experience with a specific focus in traffic engineering analysis and studies. She has performed traffic studies of varying types and scales. Her background includes traffic impact studies, large-scale planning and development studies, corridor studies, traffic forecasting, and multimodal planning efforts. She has specific expertise in microsimulation modeling with VISSIM and is a technical expert in origin-destination studies with StreetLight Data. She understands the benefits and limitations of each, allowing us to select the appropriate tool and level of effort for each task. If warranted, we apply a tiered approach to analysis using sketch-planning tools at a screening stage and more complex tools at an advanced stage. The FDOT's Intersection Control Evaluation process is an example of tiered analysis approach that we commonly utilize. In addition to right sizing the traffic analysis approach, traffic forecast development is another critical aspect of operational analysis. These forecasts drive the selection of feasible alternatives and must be developed by qualified and knowledgeable professionals. For this project, Ms. Potraza will review all traffic data associated with each structure and provide a detailed safety and crash analysis as necessary to improve operations and safety.

Signals / Lighting Lead: Joey DeFrancisco, PE

Mr. Joey DeFrancisco leads the traffic design group for Michael Baker in Florida. In his 14 years of experience in the industry, he has had the opportunity to work on several types of projects in various roles: traffic signal design, highway lighting, intelligent transportation systems (ITS), preparing traffic control schemes, roadway and multi-use path design, as well as utility design. Noteworthy projects include retrofit bridge lighting over Choctawhatchee Bay which required a unique bracket design to reduce bridge demo/reconstruction; Miccosukee Road culvert replacement; Turnbull Creek bridge replacement and Ridgemoor Boulevard over Brooker Creek Bridge Replacement. As a result of working on various project types among several

CITY OF FORT LAUDERDALE ■ BRIDGE DESIGN & MISCELLANEOUS STRUCTURAL ENGINEERING SERVICES clients, Mr. DeFrancisco is well adept with project delivery and supporting all the disciplines. His role on this contract will be to provide traffic design services which may include temporary or permanent signals, traffic control support and technical QC/ peer review.

Coastal Lead: Muthukumar Narayanaswamy, PhD, PE

Dr. Muthukumar Narayanaswamy's expertise has been recognized by the National Institute of Building Sciences, where he serves on the Scientific Resolution Panel, called upon to review challenges to the accuracy of FEMA's flood analysis and mapping. In his role on the project, Dr. Narayanaswamy will provide all the necessary coastal analysis, including scour and wave loads, for the three bridges. Given that these bridges are in a coastal environment, it is crucial to address the potential impacts of coastal conditions. Since the bridges are inland and not directly on the coast, wave action will be minimal, and scour will be within manageable ranges. Dr. Narayanaswamy's extensive experience in coastal and ocean engineering, combined with his proficiency in computational modeling, will ensure that the coastal analysis is thorough and accurate. He will leverage his expertise in 2D and 3D wave and coastal hydraulics modeling to assess the potential effects of waves and scour on the bridge structures. His involvement will be critical in developing strategies to mitigate any adverse impacts and ensure the long-term stability and safety of the bridges. Through his comprehensive analysis and collaboration with other project disciplines, Dr. Narayanaswamy will contribute to the successful completion of the project, delivering high-quality engineering solutions tailored to the specific coastal conditions of the site.

Permitting Leads: Mariana Evora, PE | Luis Aguiar | Thalia Isla

The team at Delta is well positioned to partner with the City and Michael Baker to deliver a successful flood mitigation project for the Shorecrest Neighborhood. Our team brings unique private sector and public sector experience that is specifically related to neighborhood flood mitigation projects. Our Principal Ms. Mariana Evora has led the design and construction for various projects that are similar in scope (up to 200,000 gpm stormwater pump stations) including the West Ave. Neighborhood Project, the First St. Neighborhood Project, and the Indian Creek Neighborhood Project. Additionally, our Senior Engineer, Mr. Luis Aguiar, has 39 years of experience in Miami Dade Water and Sewer and eight years as a consulting engineer completing numerous water and sewer projects. Indeed, our team is well equipped to provide the City with the expertise and partnership required to execute the Shorecrest Flood Mitigation Project.

Geotechnical Leads: Francois Thomas, PE, SI | Maximo Peralta Alvarez, PE

Mr. Francois Thomas will serve as the Principal-in-Charge, overseeing the project's execution with a 60% level of involvement. He will provide high-level guidance, ensuring that project objectives, quality standards, and client expectations are met. His expertise will be instrumental in strategic decision-making, addressing technical challenges, and maintaining effective communication between the project team.

Mr. Maximo Peralta will serve as the Principal Engineer with a 40% level of involvement. He will oversee the technical aspects of the project, ensuring compliance with industry standards and project specifications. His role includes reviewing engineering analyses, providing expert guidance on geotechnical and construction materials testing, and supporting the team in resolving complex technical challenges.

Landscape Architecture / Survey / SUE / Utility Coordination Leads: Geoffrey Campbell, PLA, ISA | Yevgeniy "Eugene" Khashper | Mark Mitchell | Donald Spicer, PSM

The KEITH team for this continuing services contract includes Mr. Geoff Campbell, RLA, landscape architect, Mr. Eugene Khashper, utility coordinator, Mr. Mark Mitchell, subsurface utility engineer, and Mr. Donald Spicer, PSM, surveyor and mapper. Having been awarded over 100 continuing services contracts, your KEITH Team is extremely qualified to meet the city's needs. Our decades of experience with the City of Fort Lauderdale provides valuable insight into your project needs and requirements. Each KEITH Team member has the know-how and capacity to manage large and small work authorizations and the technical expertise to ensure top-quality is always delivered on time and under budget. Our diverse staff has made the commitment of their time and energy to meet the schedule requirements of similar contracts in the past and is committed in providing unparalleled service to this contract.

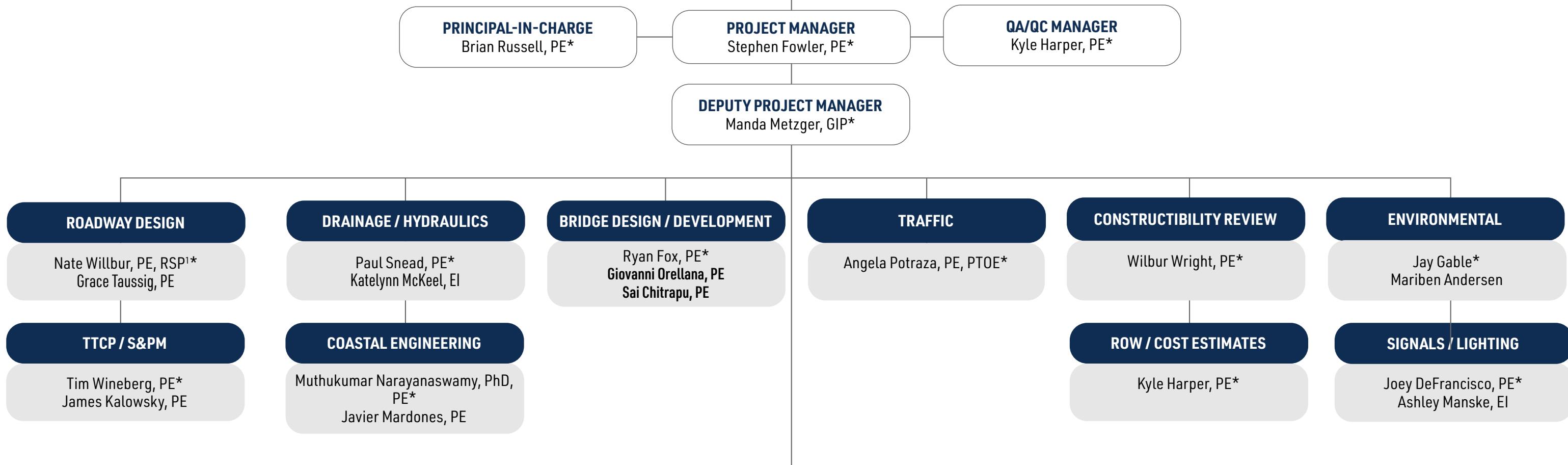
Electrical Leads: Edmundo Rodriguez, PE | Diocles Torralbas, PE

Mr. Edmundo Rodriguez will serve as the Senior Electrical Engineer and Engineer of Record, overseeing the design and construction supervision of the project's electrical infrastructure. His responsibilities will include interdisciplinary coordination to ensure seamless integration of electrical, communications and control systems, adherence to industry standards, and overall project efficiency. His extensive experience with utility infrastructure and transportation systems (lighting, signalization and ITS) will be pivotal in delivering robust and reliable electrical systems.

Mr. Diocles Torralbas will function as the Electrical and Instrumentation Engineer, responsible for power system integration, including generation, distribution, and protection. He will be actively engaged in plan reviews, safety meetings, coordination with design engineers, and on-site construction supervision. His role will encompass troubleshooting electrical systems, ensuring compliance with regulatory requirements, and optimizing SCADA integration for real-time monitoring.

Public Involvement Leads: Heather Leslie | Melissa Rodriguez

Senior Community Outreach Specialist Ms. Melissa Rodriguez will serve as the day-to-day contact for the project, bringing extensive experience in bridge projects for the Florida Department of Transportation District 6. She will be supported by HML Public Outreach Principal Ms. Heather Leslie, who will assist in developing the overall outreach strategy and provide additional backup as needed. Together, their combined experience with major transportation projects in coastal communities will ensure seamless and effective outreach throughout the design phase.



S U B C O N S U L T A N T S

PERMITTING

Mariana Evora, PE*
Luis Aguiar
Thalia Isla

GEOTECHNICAL

Francois Thomas, PE, SI*
Maximo Peralta Alvarez, PE

LANDSCAPE ARCHITECTURE / SURVEY / SUE / UTILITY COORDINATION

Geoffrey Campbell, PLA, ISA*
Yevgeniy "Eugene" Khashper*
Mark Mitchell*
Donald Spicer, PSM*

ELECTRICAL

Edmundo Rodriguez, PE*
Diocles Torralbas, PE

PUBLIC INVOLVEMENT

Heather Leslie*
Melissa Rodriguez



PROJECT MANAGER

Stephen Fowler, PE

**EDUCATION**

BS, 2008, CIVIL
ENGINEERING,
UNIVERSITY OF
FLORIDA

LICENSES

PROFESSIONAL
ENGINEER, FL,
75431

Mr. Fowler serves as a Regional Technical Manager – Bridges for the Southern Region at Michael Baker. He is responsible for the capture, delivery, and management of complex and non-typical projects, and the preparation of design calculations, plans, and contract documents. He has over 17 years of experience in the design and analysis of bridges, retaining walls, and miscellaneous transportation and infrastructure related structures. He has worked on projects throughout Florida, Georgia, Illinois, North Carolina, Tennessee, and Texas.

RELEVANT EXPERIENCE

I-75 at US 301 Interchange Design-Build - Leware / Ajax JV - FDOT District 1. Ellington, FL. LEAD STRUCTURAL ENGINEER. The I-75/US 301 interchange design-build improvements includes modifying the existing interchange from a partial cloverleaf to a diamond configuration, widening a portion of I-75 to add auxiliary lanes, widening US 301, widening and rehabilitating the existing Salt Marsh Bridges, constructing two new ramp bridges over the Manatee River, and rehabilitating the existing mainline bridges over the Manatee River. Our project team developed innovative design approaches that significantly reduced the cost of construction. Our structures approach reduced the proposed bridge area by 27 percent from the conceptual plans by eliminating the I-75 mainline bridge stub-outs at the south end of the structures over the Manatee River, which resulted in an estimated savings of \$15 million to the overall construction cost, as well as significant long-term inspection and maintenance costs. Responsible for leading the structures design and production effort and serving as Engineer of Record for a high-level bridge across the Manatee River which was subject to vessel collision, significant scour, and wave loading.

Acree Road over Thomas Creek Emergency Bridge Repairs - City of Jacksonville. Jacksonville, FL. ENGINEER-OF-RECORD. Consultant provided design and inspection services for the emergency repair of two timber bridges over Thomas Creek. The repairs consisted of strengthening a crushed pile bent cap on one bridge and re-establishing bearing between a bent cap and piles on the adjacent bridge. The design and contract drawings were developed with input from the contractor, which provided construction flexibility to reduce schedule and cost. Responsible for QC of final repair plans and calculations.

Water Street Median Failure - City of Jacksonville. Jacksonville, FL. STRUCTURAL ENGINEER. This project involved putting together emergency replacement plans for a failed section of pile-supported pavement in downtown Jacksonville. Portions of the pile-supported pavement collapsed due to voids underneath the pavement. The same day that our team was notified of the situation by the City of Jacksonville, we visited the site to assess the extent of damage and provided a temporary traffic control scheme to close nearby traffic lanes. Our team developed plans for replacement of the failed area and provided construction support services while the failed area was replaced. Responsible for technical oversight and QC review of final repair plans and calculations.

Jork Road Bridge Emergency Inspection and Repair - City of Jacksonville. Jacksonville, FL. STRUCTURAL ENGINEER. The consultant completed this assignment under the Miscellaneous Dredge and Waterways general consulting contract. This task involved performing an emergency inspection and load rating of this single-span timber bridge over Pottsburg Creek. The results lead to an emergency closing of the bridge due to severe section loss and delaminative corrosion of steel H-piles resulting in essentially 100 percent section loss. Repair plans incorporating concrete pile jackets were developed to reopen the sole neighborhood entranceway. Responsible for technical oversight and QC review of final repair plans and calculations.

Little Lake Worth and Little Blue Heron Bridge Replacements Design-Build - Murphy Construction Co / FDOT District 4. Riviera Beach, FL. STRUCTURAL ENGINEER. This Design-Build project consisted of the replacement of the Little Blue Heron and Little Lake Worth Bridges and roadway approaches along the scenic, coastal highway SR A1A. The low-level, fixed bridges serve as the only transportation links to Singer Island, providing access to many businesses, residential communities, and recreational areas in the region and were more than 40 years old and structurally deficient. The new bridges are both multi-span, continuous cast-in-place flat slabs with integral intermediate bents and king-pile abutments, and were constructed in phases. The project featured multiple innovations to reduce environmental impacts, including mounting slab formwork from pile caps, use of sidewalks cantilevered beyond retaining walls, incorporation of king-pile abutments to eliminate the need for wall tie-backs, and maintaining the natural fish habitat by leaving portions of existing piling intact above the mudline. The project involved extensive coordination with stakeholders and utility agencies, as well as numerous environmental considerations. Responsible for development of the technical proposal, design of king-pile abutments and temporary retaining walls, development of a finite element analysis model, lateral stability analysis, and preparation of contract plans.

Crosstown Parkway Extension Design-Build - City of Port St Lucie. *Port St Lucie, FL. STRUCTURAL ENGINEER.* Served as the prime design consultant of the design-build team that completed the Crosstown Parkway Extension. The project creates a third crossing into Port Saint Lucie, relieves traffic congestion, and provides an additional hurricane evacuation route. The corridor included approximately 1.5 miles of roadway improvements and a 0.75-mile bridge over the North Fork of the Saint Lucie River. The bridge traverses a highly environmentally sensitive area, which required minimization of wetland impacts and protection of the Savannas Preserve State Park. This project features unique architecture for the city's signature bridge, drainage design, utility coordination and design, and extensive landscaping. A unique feature of this project is the superstreet intersection at Crosstown Parkway and Floresta Drive, the first of its kind in Florida. This innovative intersection is a type of restricted crossing U-turn intersection (defined by the Federal Highway Administration) specifically designed for situations where through traffic on the major road is significantly heavier than the traffic of the cross street. Responsible for concept development and QC review of the plans and design calculations.

I-95 / I-295 North Interchange Design-Build - Archer Western Contractors / FDOT District 2. Jacksonville, FL. LEAD STRUCTURAL ENGINEER. Teamed with a contractor, the consultant team developed an improved concept that reconnects ramp movements under an existing third-level fly-over ramp, and adds eastbound and westbound collector/distributor facilities that will improve interchange operations. In addition to the main interchange, a service interchange at US 17 will also be fully reconstructed. The project includes 6 miles of interstate widening or reconstruction, 13 bridges, 800,000 square feet of permanent retaining wall, ITS, noise walls, signal design, signing, marking, and lighting design. An extensive network of stormwater management facilities was also incorporated to provide stormwater treatment and attenuation. Responsible for leading the structures effort through the technical proposal phase and the early part of final design, providing structural QC review, structural EOR, and assisting with issue resolution and other post-design efforts.

SR 105 (Heckscher Drive) Bridge Replacement over Sisters Creek Design-Build - Archer Western Contractors / FDOT District 2. Jacksonville, FL. PROJECT MANAGER / LEAD STRUCTURAL ENGINEER. This project replaced the SR 105 (Heckscher Drive) bridge over Sisters Creek. The existing bascule bridge, which is located in a pristine salt marsh environment with historic and cultural significance, was replaced with a new 3,300-foot, high-level fixed span structure. The project greatly improved safety and mobility by adding full-width shoulders, bike lanes, sidewalks, and local access connections. The design team was able to temporarily reconfigure an intersection to attain a safer and consistent 45-mph design speed throughout construction and exceeded project requirements to maintain a grade-separated pedestrian crossing for a local business throughout construction. Doing so kept the local stakeholder's employees from having to cross high-speed traffic on the way to the additional parking lot on the north side of Heckscher Drive. Additional features included lengthening the bridge to avoid poor soils on both sides of the waterway, using retaining walls which could "perch" above existing grade to avoid impacting the culturally important shell midden areas, incorporation of a switch-back sidewalk to eliminate unsignalized crossing of a high-speed facility, and providing upgraded park features such as a kayak launch area. The bridge featured a continuous 3-span superstructure unit consisting of prestressed girders made continuous for live load only without post-tensioning, and aesthetic piers subject to significant vessel collision and scour. Responsible for design of the bridge and retaining walls.

I-395 / SR 836 / I-95 Design-Build - Archer Western - De Moya JV / Miami-Dade Expressway Authority. Miami, FL. STRUCTURAL ENGINEER. The I-395/S.R. 836/I-95 design-build project is a partnership between FDOT and the Miami-Dade Expressway Authority. Served as a major subconsultant responsible for the S.R. 836 segment of the project, including the construction of a new high-level central viaduct, repurposing the existing S.R. 836 roadway as a collector-distributor (C-D) system, and providing connections to I-95 and other facilities within the interchange. The C-D system provides major improvements to the entrance/exit movements between NW 12th Avenue and I-95/I-395. Some unique features of the viaduct bridge include voided-column hammerhead piers with segmental inverted-t pier caps, auger-cast pile foundations, and design for vessel collision. Responsible for serving as successor EOR of the viaduct structure, providing structural QC review, and providing post-design support.

DEPUTY PROJECT MANAGER

Manda Metzger, GIP

**EDUCATION**

BS, CIVIL /
ENVIRONMENTAL,
FLORIDA INSTITUTE
OF TECHNOLOGY

AA, CIVIL
ENGINEERING,
HILLSBOROUGH
COMMUNITY
COLLEGE

Ms. Metzger is an efficient, hands-on construction professional with institutional knowledge of the public utility industry and experience with permitting and pre-construction efforts in the private development sector. Her knowledge has been acquired from working with a private developer and at the Pittsburgh Water and Sewer Authority for almost 14 years. She possesses the ability to plan, organize, coordinate, and manage the construction work for local and national businesses, as well as highly visible water and sewer industry projects.

RELEVANT EXPERIENCE

George T Lohmeyer Wastewater Treatment Plant Redundant Force Main Project - City of Fort Lauderdale. *Fort Lauderdale, FL.* **CONSTRUCTION MANAGER.** This project is a combination of microtunneling and open cut construction methods to install a 60" Effluent Force Main. Coordination with stakeholders and overlapping construction projects in the area is a major aspect of this fast-paced project delivery.

Flagler Heights Sewer Basin A-21 Repairs - City of Fort Lauderdale. *Fort Lauderdale, FL.* **CONSTRUCTION MANAGER.** CCTV, cleanout installation, and lining of sanitary sewer mains and laterals within the A21 sewer shed.

A-11 Tarpon River Sewer Basin Rehabilitation - City of Fort Lauderdale. *Fort Lauderdale, FL.* **CONSTRUCTION MANAGER.** CCTV, cleanout installation, point repairs and lining of sanitary sewer mains and laterals within the A11 sewer shed.

Pump Station A-24 and Force Main CEI Services Contract - City of Fort Lauderdale. *Fort Lauderdale, FL.* **CONSTRUCTION INSPECTION / CONSTRUCTION MANAGER.** The newly constructed 25" deep sanitary sewer wet well, and pump station also required installation of an 18" Force Main through an open cut installation method along a Broward County Road to expand capacity in the Flager Village neighborhood.

PNC Bank Realty Services, ADA Upgrades - PNC Bank. *Pahokee, West Melbourne, FL.* **CONSTRUCTION INSPECTION.** This contract with PNC Bank upgrades their branch locations concrete walkways and asphalt paved parking lot to meet the Federal ADA requirements.

e-Builder Web Based Program Implementation Services Contract - Cook County Chicago Department of Transportation. *Chicago, IL.* **CONSTRUCTION INSPECTION.** Coordination with the Chicago Department of Transportation to implement their first Project Management Information System, experience includes building the system to meet the needs of the client and within the e-Builder system limits purchased by the client. On-site and virtual trainings of the end users and training of a dedicated e-Builder administrator for the system owner.

Design and Construction Management Master Services Contract - Duquesne Light Company. *Southwestern, PA.* **CONSTRUCTION MANAGER.**

- **Warwick Aeration Plant CM/CI. Warwick Pipe Design. Warwick Plan Retaining Wall.** Working with DLC team and contractor to install the upgraded process to aerate the acid mine drainage to meet the requirements of DEP to be reinstated into an adjacent natural creek.
- **Woods Run Renovation CM/CI.** Onsite inspections and management for internal building renovations, exterior concrete and drainage, and walking bridge upgrades.

PRINCIPAL-IN-CHARGE

Brian Russell, PE



EDUCATION

BS, 2004, CIVIL
ENGINEERING,
FLORIDA STATE
UNIVERSITY

LICENSES

PROFESSIONAL
ENGINEER, FL,
PE70205

FAA PAVEMENT
CERTIFICATE, 2010

FDOT AIRFIELD
PAVEMENT
INSPECTION, FL,
2010

Mr. Russell has more than 22 years of experience in construction and transportation engineering and management. He has extensive experience as both Principal and Project Manager on large scale construction projects throughout Florida. Over the past 7 years, he has been the Principal-in-Charge for continuous work with the City of Fort Lauderdale. In this role, he has ensured project delivery excellence through staffing assignments, team leadership, and developing a trusted partnership with the leadership at Fort Lauderdale. For this contract, Mr. Russell will continue to be trusted partner to the City of Fort Lauderdale and ensure delivery that exceeds your expectations.

RELEVANT EXPERIENCE

George T Lohmeyer Wastewater Treatment Plant Redundant Effluent Force Main CEI - City of Fort Lauderdale. *Fort Lauderdale, FL.* **PRINCIPAL-IN-CHARGE.** The City of Fort Lauderdale is faced with increasing capacity and reliability needs for its effluent force main from the George T. Lohmeyer Wastewater Treatment Plant to the facility's deep injection well. To improve redundancy and capacity of effluent discharge from the G.T. Lohmeyer Wastewater Treatment Plant (GTLWWTP) to deep injection wells, the City has elected to install a new 60-inch diameter force main between the two assets. Michael Baker is providing CEI services in support of this complex project with detailed stakeholder coordination, engagement, and communication.

Shuttle Landing Facility Block 1 Development Construction Management - Space Florida. *Merritt Island, FL.* **PRINCIPAL-IN-CHARGE.** Michael Baker is providing full-time inspection services to monitor construction activities for construction of Shuttle Landing Facility Block 1. Under this contract, the Michael Baker team is producing quality assurance plans, project management and coordination, pre-construction conference and construction coordination meetings, management of construction submittals, quality assurance testing and inspection, on-site observations, electronic record maintenance, and monthly progress reports.

General Program Management and Engineering - Jacksonville Transportation Authority. *Jacksonville, FL.* **PROGRAM MANAGER / PROJECT MANAGER / PRINCIPAL-IN-CHARGE.** Responsible for the overall team organization and delivery of quality services to JTA. Focused on innovative ways to deliver products and add value to JTA's mission. Michael Baker was selected as the general program management consultant to support the client's Blueprint for Transportation Excellence initiatives via staff augmentation for planning, development, design, financing and construction administration. Under this contract, Michael Baker is providing a team of collaborative, multi-disciplined professionals supporting all aspects of the client's Construction & Capital Program Division needs.

Jacksonville Regional Transportation Center Design - Jacksonville Transportation Authority. *Jacksonville, FL.* **PRINCIPAL-IN-CHARGE.** Responsible for design of new transportation facility. Michael Baker, as part of a joint-venture team, provided design services for the state-of-the-art Jacksonville Regional Transportation Center. Michael Baker designed the structure and provided architecture, landscape architecture, right-of-way and utility coordination, geotechnical engineering, and construction management services for the project.

Daytona Airport Terminal Renovation - Volusia County. *Daytona Beach, FL.* **PRINCIPAL-IN-CHARGE.** Responsible for project team oversight and contractual matters associated with the design, construction documentation, and ongoing construction administration of the terminal renovation. Michael Baker provided design services for the terminal and concourse areas. Other services included project management, architectural engineering, signage, and preparation of construction documents.

QA/QC MANAGER

Kyle Harper, PE



EDUCATION

BS, CIVIL
ENGINEERING,
ROSE-HULMAN
INSTITUTE OF
TECHNOLOGY

LICENSES
PROFESSIONAL
ENGINEER, FL,
55363

Mr. Harper serves as the Operations and Practice Leader for Surface Transportation covering the State of Florida. He is responsible for all design staff, client relations and marketing along with production. He has served as a senior project manager on numerous transportation and infrastructure projects including airports, infrastructure, transportation, and land development in the United States and Middle East with construction values ranging well into the hundreds of millions. He has two decades of project management experience that includes PD&E, highway, right of way, water, sewer, drainage, and land development projects. He has served FDOT, Turnpike, and various other clients in his career.

RELEVANT EXPERIENCE

10th and 11th Avenue South Booker Creek Bridge - FDEP, Columbia County, FL. PROJECT PRINCIPAL. Responsibilities included performing the environmental field surveys and preparing the USACE and SWFWMD permit applications. Prepared figures for the permit applications using GIS software. Coordinated with permitting agencies as needed to secure the permits.

Ridgemoor Boulevard at Brooker Creek Bridge Replacement - FDOT District 7.

Pinellas County, FL. PROJECT PRINCIPAL. Michael Baker is providing design services encompassing a BDR and final design plans for the water crossing replacement of an existing off-system sono-void flat slab bridge. The proposed bridge will maintain the existing curved alignment, requires single lane construction phasing, provide adequate vertical drive clearance, and provide a shared use path on one side and a sidewalk on the other.

SR 5 / US 1 NB Bridge Replacement over Turnbull Creek. Volusia County, FL. PROJECT

MANAGER. Michael Baker is providing services for replacement of the structurally deficient SR 5 / US 1 NB Bridge over Turnbull Creek. The replacement structure will utilize a shallow structural depth to minimize the profile rise. The project includes structural quality control of the new bridge crossing utilizing alternative materials due to the extremely aggressive environment.

FDOT D3 FG&A Railroad Bridge Over Apalachee Parkway Emergency Repairs - FDOT, District 3. Leon County, FL. PROJECT PRINCIPAL/QA MANAGER.

In January 2022, D3 entrusted Michael Baker to respond to a third bridge strike within four years. Our engineers were on site starting on day one to assist with the damage assessment and had developed alternatives for both repair and replacement within 48 hours, delivering signed and sealed plans within three weeks for the replacement of two spans using a steel through-girder superstructure. We proactively suggested to D3 to switch from doing heat straightening and repairs for the third time to constructing a replacement structure that provided an additional 24 foot clearance.

SR 60 Design - Build - FDOT District 7. Tampa, FL. PROJECT PRINCIPAL.

Michael Baker provided services for this design-build project on approximately two miles of SR 60 / Northbound collector-distributor roadway widening to support a new single lane ramp connection from SR 60 to Independence Parkway in Tampa, Florida. The new ramp has a 180-foot-long single-span concrete bridge and 2,000 linear feet of mechanically stabilized earth walls, major overhead signage from Tampa International Airport and milling and resurfacing of northbound Veterans Expressway.

STRUCTURES LEAD

Ryan Fox, PE

**EDUCATION**

MS, CIVIL
ENGINEERING
- STRUCTURES
EMPHASES, TEXAS
TECH UNIVERSITY

BS, CIVIL
ENGINEERING,
TEXAS TECH
UNIVERSITY

LICENSES

PROFESSIONAL
ENGINEER, FL,
80148

* NON-MICHAEL BAKER
EXPERIENCE

Mr. Fox leads Michael Baker's Florida bridge staff and is responsible for the group's operations, planning, and execution of work objectives. He is a structural engineer with a broad range of design and analysis experience in both concrete and steel structures. His experience includes 40+ bridges over water; 14 design-build projects; multilevel interchange bridges; major and minor highway bridges, including direct connectors, freight rail, commuter rail, and light rail bridges, prestressed concrete structures, and steel plate girder structures; retaining walls; bulkhead walls; and other miscellaneous structures.

RELEVANT EXPERIENCE

***I-275 Howard Frankland Bridge Design-Build - FDOT, District 7.** *Pinellas and Hillsborough Counties, FL.* **STRUCTURAL ENGINEER OF RECORD.** The primary goal of this project is to design and construct the replacement for the existing NB I-275 (SR 93) Howard Frankland Bridge over Tampa Bay. The project undertakes major additions and changes to the existing roadway system by adding express lanes, improving existing roadways, enhancing safety, adding capacity and mobility, and accommodating future light rail. Key responsibilities included: structural EOR of Roadway Miscellaneous Structures and of the Howard Frankland Bridge (FDOT Category 2 structure) during post design. Lead structural engineer for 12,000 linear feet of bulkhead walls, both single span pedestrian bridges, modifications of the FDOT standard 30-foot prestressed concrete pile section, MSE walls designs, and temporary critical retaining walls.

Design SR 20 West of City Hall to Black Creek Boulevard - FDOT, District 3. *Walton County, FL.* **STRUCTURAL ENGINEER OF RECORD.** Michael Baker is providing roadway design plans to widen SR 20 in Walton County from a two-lane undivided highway to a four-lane divided roadway to facilitate the continued growth of the area and maintain a desirable level of service through the City of Freeport. The existing bridge over Lafayette Creek is to be replaced with a pair of new three-span prestressed concrete bridges. The new water crossings are to be designed with a sidewalk and a shared use path to accommodate pedestrians. Due to the right-of-way constraints, wrap around retaining walls are used. Other scope items contain new mast arms at the intersection of US 331 and US 331B, signing upgrades, new stormwater ponds, drainage conveyance system and pedestrian lighting.

SR 5 / US 1 NB Bridge Replacement over Turnbull Creek. *Volusia County, FL.* **STRUCTURAL ENGINEER.** Key responsibilities included structural design and review of the new bridge (low-water crossing) utilizing alternative materials due to the extremely aggressive environment (salt water). Michael Baker is providing services for the replacement of the structurally deficient SR / US 1 NB bridge over Turnbull Creek (#790086). The proposed structure will be an 180-foot four-span flat slab bridge. This structure will utilize a shallow structural depth to minimize the profile rise affects on the approaches and to meet bridge hydraulic recommendation. Turnbull Creek is a non-tidal stream affected by hurricane surge and riverine flood discharge.

Ridgemoor Boulevard at Brooker Creek Bridge Replacement - FDOT District 7. *Pinellas County, FL.* **STRUCTURAL ENGINEER.** Michael Baker is providing design services encompassing a BDR and final design plans for the water crossing replacement of an existing off-system sono-void flat slab bridge. The proposed bridge will maintain the existing curved alignment, requires single lane construction phasing, provide adequate vertical drive clearance, and provide a shared use path on one side and a sidewalk on the other. Key responsibilities include structural QC review of the BDR and the final design calculations and plans.

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SR 60 Tampa International Airport (TPA) - FDOT District 7. *Hillsborough County, FL.* **STRUCTURES QC MANAGER.** Responsible for structural quality control review of the new Ramp B single span, highly skewed, FIB 84 bridge over Ramp A5. Structural engineer of record of the roadway miscellaneous details. Also responsible for management of post design tasks with shop drawing, requests for information, reviews, and responses. Michael Baker is providing design-build roadway improvements to the S.R. 60 Westbound roadway facilities including mainlines, collector-distributor (CD) roads, and ramps. The project includes widening, reconstruction, new construction, and milling/resurfacing of the S.R. 60 Westbound and Veterans Expressway Northbound (S.R. 589), CD roadways, and associated ramps. The Michael Baker team is overseeing additions and modifications to the existing roadway facility to enhance safety, add capacity, improve mobility, and meet all project requirements and commitments.

Miccosukee Road over Branch of Alford Arm Bridge Replacement- FDOT District 3. *Leon County, FL.* **STRUCTURAL ENGINEER.** Michael Baker is preparing construction documents for the replacement of the Miccosukee Road Bridge that crosses the Alford Arm Tributary (Bridge No. 550051). The existing steel rolled section of the bridge is supported by timber piling. The original replacement bridge concept was replaced with a five-cell reinforced concrete box culvert. The proposed culvert will be constructed in four phases allowing constant vehicle movement on the roadway as well as maintaining an open stream channel at all times. The project footprint was reduced to minimize the impacts to existing protected trees along the R/W boundaries. Miccosukee Road is designated by Leon County as a "Canopy Road" requiring minimization of tree impacts. The selected structural type minimized the required adjustment of the vertical profile for the Miccosukee Road and provided the most economical solution with the lowest environmental impact.

***City-Wide Bridge Rehabilitation CCNA Continuing Services Contract (PO# 21-72AO), Task Order No 3: Seawall Repairs at Wild Turkey Lane Bridge No 175550 - City of Sarasota Engineering Department.** *Sarasota County, FL.* **STRUCTURAL ENGINEER.** This TWO involved repairing approximately 30 LF of existing seawall at Bridge No. 175550 within Bird Key. Repairs of the existing wall were initially repaired in 2015, however due to property disputes, the last stretch of repairs were not completed. This TWO will complete the seawall repairs at this bridge.

***SR 9 (I-95) Express Lanes Phase 3C Design-Build (95 Express / I-95 Direct Connectors, SR 9 / I-95 from Stirling Road to Broward Boulevard, SR 9 / I-95 at SR 862 / I-95 Bridge Painting; FM Nos 409354-2-52-01, 432222-1-52-01; Contract E4S44 - FDOT District 4.** *Broward County, FL.* **STRUCTURAL ENGINEER.** This project is Phase 3C of the Department's overall Phase 3 implementation of Express Lanes along the I-95 Corridor within Broward and Palm Beach Counties. "95 Express" is a Limited Access Express Lane facility that runs adjacent to the I-95 General Use Lanes South Florida. The construction limits extend from south of Hollywood Boulevard at I-95 milepost 1.773 to south of Broward Boulevard at I-95 milepost 10.757 in Broward County for a total distance of approximately nine miles along I-95. The Project also includes improvements along I-95 from west of SR-7 at milepost 8.515 to I-95 at milepost 10.545 for a total distance of approximately two miles, direct connections between northbound and southbound 95 Express Lanes and I-95 to and from the west, and the painting of 17 existing steel bridges within the I-95/SR 84 and I-95/I-95 Interchanges. Within the Project limits, I-95 is a north-south divided urban limited access facility with design and posted speeds of 65 mph, generally consisting of 12-foot General Purpose Lanes and Auxiliary Lanes, 12-foot paved inside shoulders, and 12-foot (10 feet paved) outside shoulders in each direction. There are existing interchanges within the construction limits at Hollywood Boulevard, Sheridan Street, Stirling Road, Griffin Road, I-95, SR 84, and Davie Boulevard. In addition, there are existing I-95 bridge crossings over Johnson Street, C-10 Canal, Taft Street, C-10 Spur Canal, Dania Cut-Off Canal, and South Fork of the New River, and a local overpass at SW 42nd Street. After RFC, the mono-shaft foundations for a select few bridge widenings were requested to be updated to pipe pile footing foundations. Mr. Fox led design efforts to change the foundations utilizing pipe piles for the bridge widenings at Johnson Street, Taft Street and Griffin Road.

***Gateway Expressway (E7 J46 / Fin No 433880-1-52-01) Design-Build, - Archer Western De Moya JV / FDOT District 7.** *Pinellas County, FL.* **STRUCTUREAL ENGINEER OF RECORD.** The project consists of the design and construction of two new four-lane elevated tolled roadways that will provide direct connection-with no intersections - between US 19 and I-275 (north of 49th Street North) and I-275 to St. Pete-Clearwater International Airport (PIE) and the Bayside Bridge, as well as the widening of I-275 to accommodate one additional "Dynamic" tolled express lane in each direction next to the existing freeway lanes, one-mile south of Gandy Boulevard to 4th Street North. The project is also leaving an open option for a future light rail corridor on the south side of Ulmerton Road. Overall, the Gateway Expressway project will change the existing roadway system to enhance safety, add capacity and improve mobility. Major Project features include: 26 bridges including 19 new bridges, widening of six bridges and replacement of one bridge barrier, miscellaneous structures including permanent/temporary walls, noise walls, sign structures including cantilevers, overhead signs, mast arms, Intelligent Transportation System (ITS), and toll Gantry. The new communication System (ITS) will include approximately 18 miles of conduit and fiber installations, 20 Close-Circuit Televisions Cameras (CCTV) and 21 Dynamic Message Signs (DMS) to alert drivers of current traffic conditions.

ROADWAY LEAD

Nate Willbur, PE, RSP1



EDUCATION

MBA, GENERAL BUSINESS, UNIVERSITY OF FLORIDA

BSCE, CIVIL ENGINEERING, UNIVERSITY OF FLORIDA

LICENSES

PROFESSIONAL ENGINEER, FL, 72236

ROADWAY SAFETY PROFESSIONAL, LEVEL 1

CERTIFIED NAUI SCUBA DIVER, FL

FDOT ADVANCED MAINTENANCE OF TRAFFIC (MOT) INSPECTOR, FL, 14723

FDEP STORMWATER EROSION & SEDIMENTATION CONTROL INSPECTOR, FL, 14323

* NON-MICHAEL BAKER EXPERIENCE

Mr. Willbur has extensive experience in the transportation engineering field. He has a diverse range of experience as a designer, engineer-of-record (EOR), and project manager on a variety of transportation projects ranging from sidewalk improvements, rural/urban milling and resurfacing, multi-lane capacity improvements, and innovative intersection design. He has signed and sealed component sets such as roadway, maintenance of traffic, signing and pavement marking, and signalization plans.

RELEVANT EXPERIENCE

SR 5 / US 1 NB Bridge Replacement over Turnbull Creek. Volusia County, FL. DEPUTY PROJECT MANAGER AND EOR. Michael Baker is providing services for replacement of the structurally deficient SR 5 / US 1 NB Bridge over Turnbull Creek. The replacement structure will utilize a shallow structural depth to minimize the profile rise. The project includes structural quality control of the new bridge crossing utilizing alternative materials due to the extremely aggressive environment.

Ridgemoor Boulevard at Brooker Creek Bridge Replacement - FDOT District 7. Pinellas County, FL. PROJECT MANAGER. Michael Baker is providing design services encompassing a BDR and final design plans for the water crossing replacement of an existing off-system sono-void flat slab bridge. The proposed bridge will maintain the existing curved alignment, requires single lane construction phasing, provide adequate vertical drive clearance, and provide a shared use path on one side and a sidewalk on the other.

SR 20 West of City Hall to Black Creek Boulevard - FDOT, District 3. City of Freeport, FL. ROADWAY EOR. Michael Baker is providing roadway design plans to widen SR 20 in Walton County from a two-lane undivided highway to a four-lane divided roadway to facilitate the continued growth of the area and maintain a desirable level of service through the City of Freeport. The design effort includes a new twin structure bridge over Lafayette Creek and contains new mast arms at the intersection of US 331 and US 331B, signing upgrades, new stormwater ponds, drainage conveyance system and pedestrian lighting.

SR 60 Design - Build - FDOT District 7. Tampa, FL. EOR. Michael Baker provided services for this design-build project on approximately two miles of SR 60 /Northbound collector-distributor roadway widening to support a new single lane ramp connection from SR 60 to Independence Parkway in Tampa. The new ramp has a 180-foot-long single-span concrete bridge and 2,000 linear feet of mechanically stabilized earth walls, major overhead signage from Tampa International Airport and milling and resurfacing of northbound Veterans Expressway.

***FPID 428593-1, 428724-1, SR 842 from 18th Avenue to US 1 - FDOT District 4. Broward, FL. PROJECT ENGINEER.** Served as Project Engineer for the design and development of roadway safety improvements and milling and resurfacing from 18th Ave to US 1. Key responsibilities included safety improvements associated with moving the curb line and narrowing the existing lanes to accommodate bike lanes. The project also included constructing a new bridge while utilizing an ACROW bridge for MOT. My role also included coordination with local agencies, roadway design, and drainage structure design. Oversaw the preparation of design plans for a milling and resurfacing, and MOT plans.

TTCP LEAD

Tim Wineberg, PE



EDUCATION

BSE, CIVIL
ENGINEERING,
UNIVERSITY OF
FLORIDA

AA, GENERAL
ENGINEERING,
SANTA FE COLLEGE

LICENSES

PROFESSIONAL
ENGINEER, FL,
84217

ATSSA TRAFFIC
CONTROL
SUPERVISOR, FL

* NON-MICHAEL BAKER
EXPERIENCE

Mr. Wineberg has extensive expertise in roadway design encompassing a wide range of projects from local roads to interstates. His proficiency extends to the areas of signing and pavement markings, where he has demonstrated a keen eye for detail and a commitment to ensuring optimal visibility and guidance for motorists. Additionally, he has a strong background in maintenance of traffic, implementing strategic measures to minimize disruptions during construction while prioritizing public safety. His expertise expands to the principles of complete streets, where he has successfully integrated multi-modal transportation elements to create harmonious and inclusive environments for all users.

RELEVANT EXPERIENCE

Old Palm City North Resiliency and Infrastructure Restoration Design - Martin County.

Martin County, FL. ROADWAY / TTCP / SPM EOR. Michael Baker is providing design services for infrastructure improvements within the coastal Old Palm City North neighborhood. These services include H&H modeling, alternatives evaluation, and final design and permitting services in compliance with FDEP Grant Work Plan Agreement No. 24SRP11. Michael Baker is providing H&H modeling to include a 2D model using the software Stormwise (formerly ICPR) to predict current and future flood stages with consideration of king tides, storm surge, sea level rise, and increased rainfall for multiple planning horizons. Michael Baker is also providing final design and permitting services to support the County with advancing the selected improvements to the construction phase. This task includes coordination with the SFWMD, roadway reconstruction design, drainage conveyance design, cost estimating, and bid support services.

***N Lake Reedy Bridge Culvert Replacement - Polk County Public Works.** *Polk County, FL. PROJECT / ROADWAY / SPM ENGINEER.* Project consisted of the replacement of one existing bridge culvert replacements and the realignment of the roadway to eliminate an existing bridge culvert. Additional scope items included, utility relocation, signing and pavement markings, structural design, and floodplain mitigation.

Districtwide Bridge Repair Design TWO Bridge Rehabilitation for A1A Over Loxahatchee River- FDOT District 4. *Jupiter, FL. TTCP EOR.* A previous firm was retained to perform repair and rehabilitation design for various bridges and other structures under a district-wide bridge repair design contract. Elements of work include but are not limited to temporary traffic control design, design surveys, field assessments, rehabilitation and repair designs, experimental use of new products, rehabilitation studies and research, utility assistance, preparing preliminary construction cost and contract time estimates, and environmental permitting. One of the tasks was for bridge rehabilitation at A1A over Loxahatchee River. TTCP efforts included a detailed approach for deloading a position of the cap so it could be replaced. A pedestrian detour was also a part of this project.

Ridgemoor Boulevard at Brooker Creek Bridge Replacement - FDOT District 7. *Pinellas County, FL. ROADWAY / TTCP / SPM EOR.* Served as the roadway and SPM engineer of record. Michael Baker is providing design services encompassing final design plans for the water crossing replacement of an existing off-system sono-void flat slab bridge. The proposed bridge will maintain the existing curved alignment, requires single lane construction phasing, provide adequate vertical drift clearance, and provide a shared use path on one side and a sidewalk on the other.

DRAINAGE / HYDRAULICS LEAD

Paul Snead, PE

**EDUCATION**

MS, CIVIL
ENGINEERING
- WATER
RESOURCES,
UNIVERSITY OF
CENTRAL FLORIDA

BS,
ENVIRONMENTAL
ENGINEERING,
UNIVERSITY OF
CENTRAL FLORIDA

LICENSES

PROFESSIONAL
ENGINEER, FL,
PE56982

Mr. Snead's experience includes over 25 years focused on transportation drainage projects throughout Florida from minor intersection improvements to major interstate projects. He has extensive experience permitting arterial widenings with the South Florida Water Management District, as well as evaluating peak stage and discharge criteria, floodplain compensation, and the implementation of practical conveyance solutions within tight corridors.

RELEVANT EXPERIENCE**SR 5 NB Bridge Replacement over Turnbull Creek - FDOT District 5. Volusia County, FL.**

DRAINAGE EOR. Michael Baker is providing services for replacement of the structurally deficient SR 5 NB Bridge over Turnbull Creek. The replacement structure will utilize a shallow structural depth to minimize the profile rise. The project includes structural quality control of the new bridge crossing utilizing alternative materials due to the extremely aggressive environment. Mr. Snead is the drainage engineer of record for this bridge replacement project which included tidal-influenced bridge hydraulics, sea level rise, scour, surface drainage, and permitting with the St. Johns River Water Management District and USACE. Mr. Snead successfully obtained a variation from FDOT D5 and Central Office to reduce the two-foot debris clearance criteria after a thorough review of the project constraints, costs and comparison with the overall resilience characteristics of the region.

Maydell Bridge Replacement over Tampa Bay Bypass Canal, PD&E -Hillsborough County.

Tampa, FL. **DRAINAGE EOR.** Michael Baker provided engineering services for replacing the existing 616-foot-long Maydell Drive Bridge over Palm River in Tampa with a bridge of similar length on the current horizontal alignment, while maintaining the existing vertical clearance and providing the minimum required horizontal clearance at the navigational channel. He was responsible for oversight of the tidal hydraulics, scour, wave analysis, surface drainage design, and ERP permitting. Mr. Snead successfully obtained an ERP General Permit from the Southwest Florida Water Management District and acceptance of the FEMA No-Rise application with Hillsborough County.

Ridgemoor Boulevard at Brooker Creek Bridge Replacement - FDOT District 7. Pinellas County, FL. **DRAINAGE EOR.** Mr. Snead was the drainage engineer of record for final design drainage services to support the replacement of the existing bridges over Brooker Creek. The hydraulics investigation included the development of a HEC-RAS model in accordance with FEMA No-Rise requirements. Mr. Snead coordinated with the structures design team to establish the most optimal substructure bridge geometry which satisfied the hydraulic requirements. Scour was also analyzed for the project and used by the structures team in design of the bridge piles. He is also leading the permitting phase for application of a SWFWMD General Permit.

SR 20 over Lafayette Creek Bridge Replacement - FDOT District 3. Freeport, FL.

DRAINAGE EOR. Mr. Snead is the drainage engineer of record providing oversight of the tidally-influenced bridge hydraulics investigation with scour analysis. The bridge hydraulics included the application of sea level rise to the downstream model boundary in accordance with FDOT requirements. He led the bridge hydraulics investigation in accordance with FEMA No-Rise requirements. The surface drainage design, led by Mr. Snead, included a Pond Siting Update to conform with PD&E requirements to secure federal funding. He is the permitting lead with the Northwest Florida Water Management District.

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ENVIRONMENTAL LEAD

Jay Gable

**EDUCATION**

BS, BIOLOGICAL
SCIENCE, CLEMSON
UNIVERSITY

LICENSES

FAA QUALIFIED
WILDLIFE HAZARD
BIOLOGIST
AUTHORIZED
GOPHER TORTOISE
AGENT, FL,
GTA-10-00031F

Mr. Gable has 30 years of experience working as an environmental scientist in the southeastern United States and, 19 years of experience performing wetland delineations, protected species surveys, and preparing permit applications for projects specifically within the State of Florida. He is experienced with the Environmental Resource Permitting process with each of the State's Water Management Districts as well as the Florida Department of Environmental Protection, and he is very familiar with the USACE Clean Water Act, Section 404 and Rivers and Harbors Act, Section 10 permitting process. His experience with permitting bridge replacement and repair projects includes projects for the FDOT, FDEP, and the Florida Fish and Wildlife Conservation Commission.

RELEVANT EXPERIENCE**Spanish Harbor Channel Bridge Replacement - FDEP. Spanish Harbor, FL.**

ENVIRONMENTAL SCIENTIST. Prepared Categorical Exclusion and U.S. Coast Guard Bridge Permit Application. Michael Baker provided design and environmental permitting services for rehabilitation and span replacements of the Old Flagler Railroad Bridge over the Spanish Harbor Channel, which is part of the Florida Keys Overseas Heritage Trail. Michael Baker prepared permit applications for the South Florida Water Management District (SFWMD), U.S. Army Corps of Engineers (USACE), and U.S. Coast Guard; performed a detailed site visit to facilitate the rehabilitation of the bridge arches above the water line; prepared a report outlining the findings of the inspection, recommended repairs, recommended bridge types for gaps; and completed construction plans and specifications for the bridge rehabilitation and span replacement for permitting and bidding. Michael Baker also prepared technical specifications for the use of a prefabricated steel truss bridge.

White Road Bridge Replacement - FDOT District 3. Holmes County, FL. ENVIRONMENTAL SCIENTIST.

Responsible for performing the wetland delineation and protected species survey and preparing natural resources portions of the Environmental Resource Permit application. Michael Baker provided design services for replacement of the White Road Bridge over an Unnamed Branch (Bridge No. 524015). The purpose was to replace the obsolete single-lane, 26-foot, two-span timber bridge with a two-lane concrete structure. Approach roadways consisting of approximately 20 feet of graded roadway without discernable shoulders were replaced with two 10-foot lanes and two 6-foot "effective" shoulders. Michael Baker reviewed a bridge replacement investigation report, FIRM maps, and the County Property Appraiser's and GIS database; performed field visits to evaluate existing conditions; coordinated with utilities and stakeholders; performed preliminary hydraulic, roadway, and structural analysis; analyzed soil samples; and provided public involvement services.

10th and 11th Avenue South Booker Creek Bridge - FDEP. Columbia County, FL.

ENVIRONMENTAL SCIENTIST. Responsibilities included performing the environmental field surveys and preparing the USACE and SFWMD permit applications. Prepared figures for the permit applications using GIS software. Coordinated with permitting agencies as needed to secure the permits.

Nine Mile Road Widening Design - Build - FDOT. Escambia County, FL. ENVIRONMENTAL SCIENTIST.

Conducted wetland delineation and protected species survey. Attended FDEP field review. Prepared FDEP and USACE permit applications and coordinated with agencies until permits were issued. Michael Baker is managing the four-mile widening of Nine Mile Road, including roadway, structural, signalization, signing and marking, hydraulic design, public involvement, and permitting. The project will widen the two-lane highway to a four-lane divided facility, adding stormwater facilities, a new parallel bridge, and two box culvert extensions.

CEI LEAD

Wilbur Wright, PE



EDUCATION

BS, BIOLOGICAL SCIENCE, CLEMSON UNIVERSITY

LICENSES

FAA QUALIFIED WILDLIFE HAZARD BIOLOGIST
AUTHORIZED GOPHER TORTOISE AGENT, FL,
GTA-10-00031F

Mr. Wright has over 17 years' experience in the areas of civil engineering, program and project management. He has a proven ability to take projects from planning, final design, and bidding to construction completion. He has strong communicator able to collaborate effectively with senior managers, certifying authorities, and employees to ensure deadlines are met, and maintain budgetary integrity.

RELEVANT EXPERIENCE

General Program Management and Engineering - Jacksonville Transportation Authority. Jacksonville, FL. PROGRAM MANAGER. Responsible for various capital improvement projects related to on-call contract with client. Michael Baker was selected as the general program management consultant to support the client's Blueprint for Transportation Excellence initiatives via staff augmentation for planning, development, design, financing and construction administration. Michael Baker is providing a team of collaborative, multi-disciplined professionals supporting all aspects of the client's Construction & Capital Program Division needs.

Construction, Engineering, and Inspection Services (CEI) On-Call Contract - City of Fort Lauderdale. Fort Lauderdale, FL. SENIOR PROJECT MANAGER. Responsible for program management and task order oversight of projects deployed under this contract. Michael Baker is providing full-time inspection services to monitor construction activities for the City or Ft. Lauderdale Public Works Departments which include but are not limited to sewer main and lateral repairs, pump lift station improvements and water service improvement projects.

Mandarin Road Pedestrian Safety Improvements - Jacksonville Transportation Authority. Jacksonville, FL. SENIOR PROJECT MANAGER. Responsible for providing project oversite and delivery of an environmental, historical, and cultural Categorical Exclusion (CE) and Documented Categorical Exclusion (DCE) Worksheet Analysis as required under the National Environmental Policy Act (NEPA) for the Federal Transit Administration (FTA) Region 4 to determine the likelihood and magnitude of potential project impacts associated with the Mandarin Pedestrian Safety Improvements project. This project includes 2.4 miles of uninterrupted track which was evaluated for the construction of new sidewalks, pedestrian bridges, midblock crossings and new drainage features.

Amtrak Station SOGR - Amtrak. Jacksonville, FL. CONSTRUCTION MANAGER. Responsible for construction management. Michael Baker is providing full-time CEI services related to the State of Good Repair Improvements projects. The goal of the project is the rehabilitation and asbestos abatement of the Jacksonville Amtrack Station. Michael Baker is providing pre-construction and construction phase services which include reviews, coordination, monthly reports, meetings, safety, construction scheduling, submittals, RFIs, substitutions, invoices, change orders and claims, PMIS file management, substantial completion inspections, project records and documents, and inspection services.

Shuttle Landing Facility Block 1 Development CM - Space Florida. Merritt Island, FL. PROJECT MANAGER. Michael Baker is providing full-time inspection services to monitor construction activities. Michael Baker is producing quality assurance plans, project management and coordination, pre-construction conference and construction coordination meetings, management of construction submittals, quality assurance testing and inspection, on-site observations, electronic record maintenance, and monthly progress reports.

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TRAFFIC LEAD

Angela Potraza, PE, PTOE



EDUCATION

MSCE, CIVIL
ENGINEERING -
TRANSPORTATION
EMPHASIS,
UNIVERSITY OF
AKRON

BSCE, CIVIL
ENGINEERING,
UNIVERSITY OF
AKRON

LICENSES

PROFESSIONAL
ENGINEER, FL,
PE88146

PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER, 4453

Ms. Potraza has 10 years of experience with a specific focus in traffic engineering analysis and studies. She has performed traffic studies of varying types and scales and has more recently transitioned to the role of traffic task manager and project manager. Her background includes traffic impact studies, safety assessments, large-scale planning and development studies, corridor studies, traffic forecasting, and multimodal planning efforts. She has knowledge and experience in a variety of traffic engineering analysis programs including Highway Capacity Software, Synchro, and microsimulation modeling with VISSIM. She is also a technical expert in origin-destination studies with StreetLight Data.

RELEVANT EXPERIENCE

SR 20 West of City Hall to Black Creek Boulevard - FDOT District 3. Freeport, FL. TRAFFIC ENGINEER. Michael Baker is providing roadway design plans to widen SR 20 in Walton County from a two-lane undivided highway to a four-lane divided roadway to facilitate the continued growth of the area and maintain a desirable level of service through the City of Freeport. The design effort includes a new twin structure bridge over Lafayette Creek and contains new mast arms at the intersection of US 331 and US 331B, signing upgrades, new stormwater ponds, drainage conveyance system, and pedestrian lighting.

SR 60 Tampa International Airport (TPA) Interchange Design-Build- FDOT District 7.

Hillsborough County, FL. TRAFFIC ENGINEER. Evaluated modifications to the signal operating plan at Spruce Street and Obrien Street in support of a nighttime detour for the SR 60 / Veterans Expressway interchange in Tampa. Utilized the existing signal timing information and available count data to assess various lane configurations using Synchro. The analysis and recommendations were documented in a brief technical memorandum. Michael Baker is providing design-build roadway improvements to the SR 60 Westbound roadway facilities including mainlines, collector-distributor (CD) roads, and ramps. The project includes widening, reconstruction, new construction, and milling / resurfacing of the SR 60 Westbound and Veterans Expressway Northbound (SR 589), CD roadways, and associated modifications to the existing roadway facility to enhance safety, add capacity, improve mobility, and meet all project requirements and commitments.

General Program Management and Engineering - Jacksonville Transportation Authority. Jacksonville, FL. PROJECT MANAGER. Michael Baker was selected as the general program management consultant to support the client's Blueprint for Transportation Excellence initiatives via staff augmentation for planning, development, design, financing, and construction administration. Under this contract, Michael Baker is providing a team of collaborative, multi-disciplined professionals supporting all aspects of the client's construction and capital program division needs.

US 98 Bypass Design-Build - Cone and Graham. Dade City, FL. PROJECT ENGINEER.

Michael Baker is leading design services for a 1.6 mile two-to-four lane design-build widening project on the US 98 Bypass in Dade City. The project involves the design for roadway, two partial two-lane roundabouts, three signalized intersections, a new high intensity activated crosswalk beacon, signing and pavement marking, miscellaneous structures, as well as lighting and utility coordination.

SIGNALS / LIGHTING

Joey DeFrancisco, PE



EDUCATION

MSCE, 2012,
TRAFFIC
ENGINEERING /
TRANSPORTATION
ENGINEERING,
UNIVERSITY OF
CENTRAL FLORIDA
BSCE, 2009, CIVIL
ENGINEERING,
UNIVERSITY OF
CENTRAL FLORIDA

LICENSES

PROFESSIONAL
ENGINEERING, FL,
PE80495
IMSA ASSOCIATE
TRAFFIC SIGNAL
TECHNICIAN,
LEVEL 1, 2023,
#AA_130708
FDOT ADVANCED
TRAFFIC CONTROL
CERTIFICATION, FL,
2017, 32276

Mr. DeFrancisco is a civil engineer with a focus on roadway design including highway design, signals, lighting, signing, marking, and traffic control. He is very familiar with utility coordination and the procedures of FDOT District 3. His responsibilities include serving as Project Manager, Task Manager, EOR, and assisting with quality control. His experience includes working on a wide variety of projects such as limited access facilities, two-lane County roads, multi-lane urban arterials, Airport infrastructure, resurfacing / rehabilitation, flexible pavement design, sidewalks /multi-use path, signal reconstruction, lighting design, ITS/fiber, and new roadway alignments.

RELEVANT EXPERIENCE

SR 20 West of City Hall to Black Creek Boulevard - FDOT District 3. *Freeport, FL. DEPUTY PROJECT MANAGER.* Responsible for internal design team coordination and assisting project manager with production team. Responsibilities also include Traffic Design EOR for pedestrian lighting and design of two mast arm signal systems. Michael Baker is providing roadway design plans to widen SR 20 in Walton County from a two-lane undivided highway to a four-lane divided roadway to facilitate the continued growth of the area and maintain a desirable level of service through the City of Freeport. The design effort includes a new twin structure bridge over Layfette Creek and contains new mast arms at the intersection of US 331 and US 331B, signing upgrades, new stormwater ponds, drainage conveyance system and pedestrian lighting.

Ridgemoor Boulevard at Brooker Creek Bridge Replacement - FDOT District 7. *Pinellas County, FL. DEPUTY PROJECT MANAGER.* Michael Baker is providing design services encompassing final design plans for the water crossing replacement of an existing off-system sono-void flat slab bridge. The proposed bridge will maintain the existing curved alignment, requires single lane construction phasing, provide adequate vertical drift clearance, and provide a shared use path on one side and a sidewalk on the other.

SR 5 / US 1 NB Bridge Replacement over Turnbull Creek - FDOT District 5. *Volusia County, FL. TRAFFIC TASK MANAGER / ENGINEER.* Responsible for temporary lighting design for maintenance of traffic lane shifts to facilitate bridge replacement. Michael Baker is providing services for replacement of the structurally deficient SR 5 / US 1 NB Bridge over Turnbull Creek. The replacement structure will utilize a shallow structural depth to minimize the profile rise. The project includes structural quality control of the new bridge crossing utilizing alternative materials due to the extremely aggressive environment.

SR 60 Tampa International Airport (TPA) Interchange Design-Build - FDOT District 7. *Hillsborough County, FL. TRAFFIC ENGINEER.* Responsible for lighting design. Michael Baker is providing design-build roadway improvements to the SR 60 Westbound roadway facilities including mainlines, collector-distributor (CD) roads, and ramps. The project includes widening, reconstruction, new construction, and milling/resurfacing of the SR 60 Westbound and Veterans Expressway Northbound (SR 589), CD roadways, and associated ramps. The Michael Baker team is overseeing additions and modifications to the existing roadway facility to enhance safety, add capacity, improve mobility, and meet all project requirements and commitments.

US 331 / SR 83 Retrofit Bridge Lighting (Continuing Services Design Contract 2023) - FDOT District 3. *Walton County, FL. PROJECT MANAGER / EOR.* Design of approximately three miles of corridor lighting and pedestrian intersection lighting for two signalized intersections. Project includes retrofitting light poles for three bridges across the Choctawhatchee Bay. Extensive utility coordination required to minimize conflicts with UAOs.

COASTAL LEAD

Muthukumar Narayanaswamy, PhD, PE



EDUCATION

PHD, 2009,
COASTAL
ENGINEERING,
JOHNS HOPKINS
UNIVERSITY
MSE, 2008,
COASTAL
ENGINEERING,
JOHNS HOPKINS
UNIVERSITY

B.TECH,
1999, OCEAN
ENGINEERING
AND NAVAL
ARCHITECTURE,
INDIAN INSTITUTE
OF TECHNOLOGY OF
KHARAGPUR

LICENSES

PROFESSIONAL
ENGINEER, TX,
110147

Dr. Narayanaswamy specializes in using computational modeling to develop practical solutions to challenges in coastal flooding, hydrodynamics, waves, fixed and floating structures. His technical strengths include 2D and 3D wave and coastal hydraulics modeling, structural finite elements, tsunami and hurricane modeling, coastal flood risk mapping, extreme value analysis, met-ocean data analysis, coastal and ocean engineering. He has expertise related to coastal flood risk due to extreme weather events, port development megaprojects, met-ocean modeling and analysis for pre-FEED and FEED studies, structural finite element analysis of offshore structures, wave loads on piers and trestles, selection of design critical met-ocean criteria, construction management of coastal infrastructure, mooring analyses.

RELEVANT EXPERIENCE

SR 5 / US 1 NB Bridge Replacement over Turnbull Creek - FDOT District 5. Volusia County, FL. TECHNICAL LEAD - COASTAL MODELING. Michael Baker is providing services for replacement of the structurally deficient SR 5 / US 1 NB Bridge over Turnbull Creek. The replacement structure will utilize a shallow structural depth to minimize the profile rise. The project includes structural quality control of the new bridge crossing utilizing alternative materials due to the extremely aggressive environment.

Maydell Bridge Replacement - Hillsborough County. Tampa, FL. TECHNICAL LEAD - COASTAL MODELING. Michael Baker is providing engineering services for replacing the existing 616-foot-long Maydell Drive Bridge over Palm River in Tampa with a bridge of similar length on the current horizontal alignment, while maintaining the existing vertical clearance and providing the minimum required horizontal clearance at the navigational channel.

SR 25 Over Savannah and Middle Rivers Design-Build - GDOT. Port Wentworth, GA. TECHNICAL LEAD - COASTAL MODELING. Michael Baker is acting as a subcontractor for replacement of the SR 25 bridges over the Savannah and Middle Rivers near Port Wentworth. The Michael Baker team is providing project management, roadway design, structural design, bridge hydraulic study, drainage, traffic engineering, and environmental permitting services for this design-build project.

Kentucky Lake and Lake Barkley Replacement Bridges - Kentucky Transportation Cabinet. Marshall and Trigg Counties, KY. TECHNICAL LEAD - COASTAL MODELING.

Michael Baker provided engineering services for the replacement of the US 68 / KY 80 bridges over Kentucky Lake and Lake Barkley in the Land between the Lakes National Recreation Area. Michael Baker's services included project management, a bridge-type study, surveys and mapping, roadway alignments, pavement design, drainage design, maintenance of traffic plans, cost and quantity estimates, right-of-way plans, permit coordination, utility coordination, agency and stakeholder coordination, public involvement, environmental compliance support, and preliminary and final design.

Ocean Drive Improvements Local Concept Development Study - South Jersey Transportation Planning Organization. Cape May, NJ. TECHNICAL LEAD - COASTAL MODELING. Michael Baker conducted an LCD study for Ocean Drive upgrades and bridge improvements from NJ Route 109 to Madison Avenue. The study aimed to define transportation needs and compare alternatives, including bridge replacements, rehabilitation, and "no-build" options. Michael Baker handled data collection, analysis, public involvement, hydraulic modeling, alternatives analysis, traffic control plans, utility coordination, and the final concept development report.

GEOTECHNICAL

Francois Thomas, PE, SI



EDUCATION

MS, GEOTECHNICAL
ENGINEERING,
UNIVERSITY OF
ALABAMA

BS, CIVIL
ENGINEERING,
UNIVERSITY OF
ALABAMA

LICENSES
PROFESSIONAL
ENGINEER, FL,
56381

SPECIAL
INSPECTOR,
7021399

Mr. Thomas is a Florida-registered Professional Engineer and Special Inspector with over 30 years of expertise in geotechnical engineering, construction materials testing, and inspection services. As the Principal Materials Engineer, he leads laboratory operations, oversees construction materials testing, and ensures the highest standards in inspections. With extensive experience in deep and shallow foundation systems, soil stabilization, grouting, and pavement evaluation, Mr. Thomas has played a key role in construction monitoring and supervision for both private and government projects. His portfolio includes ports, airports, commercial developments, municipal infrastructure, healthcare facilities, retail centers, and educational institutions.

RELEVANT EXPERIENCE

Coral Ridge Drive from Southgate Boulevard (MP 18.300) to Royal Palm Boulevard (MP 20.500), Coral Ridge Drive from Royal Palm Boulevard (MP 20.500) to Wyndham Circle - Broward County. *Broward County, FL.* **PRINCIPAL ENGINEER.** The project involved road widening to accommodate buffered bike lanes, filling sidewalk gaps, upgrading ADA features, improving drainage, and enhancing pavement markings, lighting, signalization, and landscaping. The geotechnical study provided critical input for the design and construction of these improvements. Field investigations included SPT borings, pavement cores, and soil classification using the AASHTO Soil Classification System. The geotechnical report provided recommendations on soil treatment, cut-and-fill slopes, excavation, groundwater control, pavement design, and vibration and settlement monitoring.

I-75 Express Lanes Segment D from South of Sheridan Street to North of Griffin Road - Broward County. *Broward County, FL.* **PRINCIPAL GEOTECHNICAL ENGINEER.** Mr. Thomas was the Principal Geotechnical Engineer for the design and construction of Segment D of the I-75 Express Lanes Project which extends from approximately 4,000 feet south of Sheridan Street at milepost 4.645 to approximately 800 feet north of the South Florida Water Management District (SFWMD) C-11 Canal Bridge (north of Griffin Road) at milepost 8.344 in Broward County, for a total distance of approximately 3.7 miles.

CR 811 / Dixie Highway Fly-Over - Broward & Palm Beach Counties. *Broward & Palm Beach Counties, FL.* **PRINCIPAL GEOTECHNICAL ENGINEER.** Performed a geotechnical engineering study for the new overpass. Provided a geotechnical report with analysis and recommendations for bridge foundation, MSE Wall and roadway soil survey. Prepared TSP for surcharge, settlement monitoring and vibration monitoring. Geotechnical recommendations also included a discussion of soil suitability, groundwater, and other site/construction considerations. Prior to construction, performed baseline vibration monitoring for the railroad track with both a loaded train and empty train. During construction monitored the vibration due to the construction activities and found that vibration due to construction did not exceed the baseline. Provided pile driving inspection and foundation certification as well as pile load tests. Also provided Quality Control during construction.

Sheridan Street (SR 822) Bridge Over Intercoastal Waterway - Broward County. *Broward County, FL.* **PRINCIPAL ENGINEER.** The project involved bridge repair and rehabilitation, as well as the installation of mast arms at the site. The geotechnical study was conducted to provide critical input to the design team, aiding in the evaluation of proposed improvements. The geotechnical field investigation included performing SPT borings, classifying and stratifying soil samples in the laboratory using the Unified Soil Classification System (USCS), and preparing a comprehensive geotechnical engineering report. The report provided engineering evaluations and recommendations related to foundation design and drilled shaft construction to support the successful implementation of the project.

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PERMITTING

Mariana Evora, PE

**EDUCATION**

BS, CIVIL
ENGINEERING,
FLORIDA
INTERNATIONAL
UNIVERSITY

LICENSES

PROFESSIONAL
ENGINEER, FL,
86167

NASSCO PACP,
PACP, & LACP
CERTIFIED

FDOT ADVANCED
MOT

Mrs. Evora has over 10 years of experience in the fields of water resources and environmental engineering, and has served as consultant, project manager, and design engineer in numerous multidisciplinary projects. Her technical expertise includes stormwater planning and project implementation, analysis and design of best management practices, design and construction of pump stations and pipelines, design criteria manuals and permitting, development of capital improvement plans, establishing stormwater utilities. Mrs. Evora's experience also includes planning and design of water transmission and distribution systems and sanitary sewer collection and transmission systems.

RELEVANT EXPERIENCE

West Avenue Neighborhood Improvements Project - City of Miami Beach. *Miami Beach, FL. OWNER'S PROJECT MANAGER.* The project included the design and construction of the complete public underground utilities of water distribution and transmission system, sanitary sewer collection system, and stormwater drainage system, including the verification and development of a stormwater model and a new 120,000 GPM stormwater pump station. Ms. Evora was responsible for the design of a complete and functional neighborhood improvement project, including a pedestrian friendly "Complete Street" redesign, the typical section, curb and gutter, harmonization with lower lying adjacent properties, utility relocation, compliance with City standards and specifications, and compliance with Miami-Dade DERM requirements.

First Street Neighborhood Improvement Project - City of Miami Beach. *Miami Beach, FL. OWNER'S PROJECT MANAGER.* Mrs. Evora served as owners Project Manager for the design and of one of the City's marquee projects at the South of Fifth neighborhood, project includes design and permitting of new sanitary sewer, water distribution and stormwater system for major roads in the Miami Beach South of Fifth Neighborhood, and the installation of a new Stormwater Treatment System and pumping system that is to be located in a City owned parking lot on the SW corner of First Street and Washington Avenue. This project also includes raising of First Street between Alton Road and Washington Avenue including the intersections, road elevations is meant to mitigate sea level rise in an area that is already prone to flooding during high tide events. The project included a new 200,000 gpm stormwater pump station.

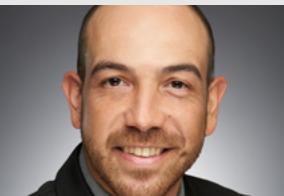
41st Street Transmission and Distribution Water Replacement Project - City of Miami Beach. *Miami Beach, FL. OWNER'S PROJECT MANAGER.* Mrs. Evora was the owner Project Manager working for the City of Miami Beach in the design and permitting for the replacement of approximately 3,200 LF of a 30-inch water transmission main and 3,900 LF of a 16-inch water distribution main along the 41st Street from Alton Rd to Pinetree, the scope included the replacement of all water services and replacement of all fire hydrants along the corridor as well as installation of new ones, scope also seeks to interconnect the transmission and distribution systems at key places along the corridor.

Venetian Causeway Water and Sewer Replacement - City of Miami Beach. *Miami Beach, FL. OWNER'S PROJECT MANAGER.* Managed the design and permitting for the replacement of aerial and subaqueous pipes along the Venetian Causeway bridges, including a critical segment at the east bascule bridge. This project involved replacing a 36-inch water transmission main and force mains for sewerage from the Venetian Isles to Miami Beach. Designed and permitted 7,100 LF of water mains and 5,000 LF of sewer mains for HDD replacement. Due to multiple breaks, the bascule bridge segment was expedited under emergency conditions. The project also accounted for future bridge replacement and widening. Ms. Evora oversaw the design and construction of the water and sewer mains.

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LANDSCAPE ARCHITECTURE

Geoff Campbell, PLA, ISA

**EDUCATION**

BLA, LANDSCAPE ARCHITECTURE, UNIVERSITY OF GEORGIA

LICENSES

PROFESSIONAL LANDSCAPE ARCHITECT (PLA), FL, LA6667219

ISA CERTIFIED ARBORIST, FL, 9509A

Mr. Campbell joined the KEITH Team in 2021, bringing over 16 years of landscape architecture project management and high-quality design and construction documentation experience. With a strong technical background and proactive, trans-disciplinary approach, he puts emphasis on sustainable design. He is a creative problem solver with vast expertise in FDOT standards and practices, site design and detailing, hardscape and planting design, roadway and streetscape design, site analysis and feasibility, plant health care and diagnosis, tree preservation, selective clearing and grubbing, construction documents, specification development, construction administration and inspections, grading and drainage design and coordination, sustainability and innovation, and irrigation analysis and design for streetscapes, parks, residential developments and commercial sites.

RELEVANT EXPERIENCE

SR 5 / US 1 from SR 870 / Commercial Boulevard to SE 7th Street - FDOT District 4. Fort Lauderdale, FL. **LANDSCAPE ARCHITECT.** KEITH is assisting FDOT District 4 on this KEITH Access project for roadway design, signing and pavement marking, and signalization for a 2.5-mile resurfacing design project on US 1 / SR 5, from Commercial Boulevard/ SR 870 to SE 7th Street (FPID 446188-1), a C4 Urban General Mix, which includes miscellaneous structures, minor bridge design, signing and pavement marking, lighting, survey, geotechnical, and landscape services. In addition, ADA upgrades, lighting retrofits at signalized intersections, and roadway signage will be improved throughout the corridor. KEITH completed a 3R Report and Target Speed Analysis Report which was approved by the Department. The design and target speed are 45 mph, with a posted speed of 45 mph.

SR 9 I-95 at Hypoluxo Road - FDOT District 4. Lantana, FL. **LANDSCAPE ARCHITECT.** As subconsultant, KEITH is providing landscape architecture, survey, utility coordination, and subsurface utility engineering services. This project requires full construction of Hypoluxo Road bridges over I-95 and SFRC railroad tracks in West Palm Beach County, as well as the replacement of Hypoluxo Road bridge over I-95 and the SFRC railroad tracks to accommodate Diverging Diamond Interchange configuration and reconstruction of all entrances and exit ramps to and from I-95.

Landscape Architecture Analysis and Design Services - FDOT District 6. Various Locations, FL. **LANDSCAPE ARCHITECT-OF-RECORD.** As prime consultant under this task work order driven contract, FPID 425402-2-32-01, KEITH prepares contract documents including plans, specifications, supporting engineering analysis, calculations, and other technical documents in accordance with FDOT policy, procedures, and requirements. Major work group includes 15.0 Landscape Architecture with minor work groups of 3.1 minor highway design. Task Work Orders include a full range of services including Standalone Landscape Project Delivery, Tree Preservation Plan Development and Analysis, Irrigation Design Services, Construction Administration and Inspection Services, Conceptual Designs and Graphics, Misc. Cost Estimates, Arborist Assessments, Maintenance Specifications and Feasibility Analysis.

Landscape Architecture / Design Continuing Services - FDOT District 4. Fort Lauderdale, FL. **PROJECT MANAGER.** As prime consultant, KEITH has been tasked under this task work order-driven contract (FPID 230385-8) to provide design, production, review, and inspection for standalone landscape transportation projects associated with D4, consultants, local government agencies, and individuals on a continuing services basis. The major work group is 15.0 (Landscape Architecture), with minor work groups of 3.1 (Minor Highway Design), including electrical engineering, 9.1 (Soil Exploration), and 9.2 (Geotechnical Classification Lab Testing).

UTILITY COORDINATION

Yevgeniy "Eugene" Khashper



EDUCATION

BS, ELECTRICAL
ENGINEERING,
GORKLY COLLEGE
OF ELECTRONICS

LICENSES

TEMPORARY
TRAFFIC CONTROL
CERTIFICATION,
INTERMEDIATE,
9096

Mr. Khashper has experience in plan reviews and utility coordination for design-build and traditional design-bid-build projects. He has worked predominantly with FDOT Districts 4 and 6, and has extensive experience in permitting through governmental agencies. He served as an in-house consultant for FDOT's D6 Construction Office from 2006 to 2014, providing construction plans review at all project phases, utility coordination during design and construction of roadway projects, conflict resolution, and review of all utility certifications. Most recently, he worked for FDOT D4's Utilities office from 2014 to 2019 as a Utility Project Manager III and District Utilities Administrator, where he was responsible for managing the utility office, which also administered District Value Engineering and Cost Savings Initiative programs.

RELEVANT EXPERIENCE

82nd Avenue from 26th to 69th Street - FDOT District 4. *Various Locations, FL.* **PROJECT MANAGER.** KEITH, as subconsultant, assisted the Client in developing a KEITH Access project including highway and bridge/structural design spanning five miles, consisting of creating new two lane / two-way road construction with four minor bridges over sub-lateral canals. KEITH provided survey, SUE, and utility coordination services.

SR 25 / US 27, 27 Miles North of I-75 / US 27 Interchange - FDOT District 4. *Fort Lauderdale, FL.* **PROJECT MANAGER.** This bridge project is to modify the existing SR 25 / US 27 northbound/southbound rural medium-separated roadway section with two raised twin-bridge structures, B-2 and B-3. The bridges will span a new canal cross section set by the Army Corps of Engineers and South Florida Water Management District criteria. KEITH, as a subconsultant, is assisting with survey, utility coordination, and subsurface utility engineering.

SR 5 / US 1 from SR 87 / Commercial Boulevard to SE 7th Street - FDOT District 4. *Fort Lauderdale, FL.* **UTILITY COORDINATION MANAGER.** KEITH is assisting FDOT District 4 on this KEITH Access project for roadway design, signing and pavement marking, and signalization for a 2.5-mile resurfacing design project, a C4 Urban General Mix, which includes miscellaneous structures, minor bridge design. KEITH services included civil, landscape architecture, survey / SUE, and utility coordination.

Bimini Drive Bridge Replacement #904603 - Monroe County. *Monroe County, FL.* **PROJECT MANAGER.** The Bimini Drive Bridge is one of the four Historic Duck Key Bridges. KEITH, as subconsultant under Monroe County On-Call Professional Engineering Services Contract, was selected to provide professional survey and utility coordination services. The KEITH team were integral in all phases of the project and delivered construction plans and specifications, permitting, and support during the bidding of the project. KEITH utility coordination services included identification of all utilities within the project corridor, all permits, Sunshine state One Call design tickets, risk management, and PD&E studies.

Design Services St Lucie Interchange Improvements - FDOT District 4. *Port St Lucie, FL.* **PROJECT MANAGER.** As subconsultant, KEITH provided utility coordination services, FM3435337-1-32-01. This design project is of three lane median span concrete bridge at the interchange of I-95 at St. Lucie West Boulevard. This contract is to support in-house roadway design in the widening of this interchange.

SUE

Mark Mitchell



EDUCATION

AA, ART, SAINT
PETERSBURG
COLLEGE

LICENSES

TEMPORARY
TRAFFIC CONTROL
CERTIFICATION,
INTERMEDIATE,
41650

CSX CERTIFIED
FACILITATOR

OHS
CONSTRUCTION
INDUCTION
TRAINING
CERTIFICATE

OSHA
29CFR1910.120 40
HOUR CERTIFICATE

OSHA CONFINED
SPACE ENTRY

RAIL INDUSTRY
SAFETY INDUCTION
(RISI)

Mr. Mitchell is responsible for oversight of the day-to-day operations of all subsurface utility engineering projects, along with utility records research, conflict analysis, and determining if additional utility investigation is needed for assigned projects. He has completed projects from beginning phases through final delivery, including preparing and submitting fee proposals, client coordination, setting up projects for field crews, conducting field visits when troubleshooting is required, downloading and processing collected data, performing quality control, finalizing for delivery, and keeping clients informed daily. His experience includes creating DTMs, topos, TIN models, PNCs, and test hole summary spreadsheets. He serves as a liaison between the design team, utility agencies, and owners on behalf of clients to provide utility coordination, documentation, inter-coordination, and maintenance of files of all activities for each utility agency.



RELEVANT EXPERIENCE

Ravenswood Bridge Replacement - Dania Beach. *Dania Beach, FL. SUE PROJECT*

MANAGER. KEITH managed the utility coordination for this bridge replacement project. Our design ticket with Sunshine State One Call of Florida identified twelve utility agencies and the Broward County Traffic Engineering Department several utility meetings were conducted to clarify the construction phasing and utility involvement.

82nd Avenue from 26th to 69th Street - FDOT District 4. *Various Locations, FL. SUE*

PROJECT MANAGER. KEITH, as subconsultant, assisted the Client in developing a KEITH Access project including highway and bridge/structural design spanning five miles, consisting of creating new two lane / two-way road construction with four minor bridges over sub-lateral canals. KEITH provided survey, SUE, and utility coordination services.

City of Pompano Beach Surveying, Civil Engineering, and Landscape Architecture

Continuing Services - City of Pompano Beach. *Pompano Beach, FL. SUE PROJECT*

MANAGER. KEITH is providing general engineering services to the City on an as-needed basis. Projects provided under this contract include SE 8th Court Bridge Replacement.

Florida Turnpike Miscellaneous Design Services - Florida's Turnpike Enterprise (FTE).

Various Locations, FL. SUE PROJECT MANAGER. KEITH, as subconsultant, is providing a variety of survey and SUE work. Under the contract scope of services, KEITH performs horizontal and vertical control, topography, utility designation and locates, and bridge and drainage surveys on Turnpike facilities.

SR 5th Avenue Bridge Replacement - City of Pompano Beach. *Pompano Beach, FL. SUE*

PROJECT MANAGER. KEITH, as subconsultant, assisted the Client in developing a KEITH Access project related to improvements to the SE 5th Avenue Bridge. KEITH provided extensive survey services to the Client.

Palm Aire Neighborhood Improvements - City of Pompano Beach. *Pompano Beach, FL. SUE PROJECT MANAGER.*

KEITH is providing location and designation services along both Palm Aire bridge projects. KEITH is providing horizontal designation services, as well as performing 100 test holes, minimizing any potential for damage.

Midway Road (CR 712) Widening & Reconstruction - FDOT District 4. *Boca Raton, FL.*

SUE PROJECT MANAGER. As a subconsultant, KEITH provided surveying, mapping, and SUE services. The project included the widening and reconstruction of Midway Road (CR 712) from a two-lane undivided roadway to a four-lane divided facility. This project also included replacement of the existing bridge (ID 940050) over Florida's Turnpike/SR 91.

SURVEY

Donald Spicer, PSM



EDUCATION

N/A

LICENSES

PROFESSIONAL
SURVEYOR AND
MAPPER, FL,
LS4677

Mr. Spicer is a professional surveyor and mapper with 48 years of experience. Through his years of experience, Don's responsibilities include management of survey projects from proposal through final submittal, coordination and supervision of field and production staff, establish and maintain quality control procedures. Further, he has completed several survey calculations for construction staking and boundary determinations, preparation and review of record drawings, proposal preparation for providing surveying services including all construction surveying related services, boundary, topographic, ALTA quantity and control surveys, etc. Don is equipped to utilize Autodesk, AutoCAD Civil 3D, AutoCAD Land Desktop (and earlier versions), Trimble Business Center and Carlson.

RELEVANT EXPERIENCE

Island Drive Bridge Rehabilitation - Delray Beach. *Delray Beach, FL.* **PROJECT MANAGER.**

Based on a complete set of engineering plans provided by Custom Built Marine Construction, KEITH provided horizontal and vertical controls, staking of drainage systems, as-built systems, proposed slabs, sidewalks, lift station area, light poles, curbs, and seawall. KEITH also provided a signed, sealed as-built survey on the newly constructed improvements.

Palm Aire Neighborhood Improvements - Pompano Beach. *Pompano Beach, FL.* **PROJECT MANAGER.** KEITH is providing location and designation services along both Palm Aire bridge projects in this extensive Pompano Beach Neighborhood. Following ASCE Standard 38-02, KEITH is providing horizontal designation services, as well as performing 100 test holes at specific sites to expose utilities, minimizing any potential for damage.**Broward College North Campus Bridge Repair - Coconut Creek.** *Coconut Creek, FL.* **SURVEYOR.** KEITH assisted the Client with a KEITH Campus project including engineering services and construction documentation based on a previous structural condition survey finding and recommendations report that reported on the condition of the existing NW 39th Avenue bridge. This included the critical safety repairs and intermediate repairs to the existing bridge which consists of a single span, solid concrete slab between abutments on the north and south sides of the canal, including milling and re-paving, re-grading, and pavement markings. KEITH provided civil engineering, survey, and construction program management services to the client. The KEITH team assisted the Client with a specific purpose survey including detailed topographic and drainage information, including inverts, utilized in the redesign and re-paving activities. Additional structural documentation and observation along with permitting and preapplication meetings were also provided. Construction observation tasks included review of shop drawings, periodic site visits, as-built reviews, final inspections, and final certifications.**Seagis Parkway Drainage Review - City of Fort Lauderdale.** *Fort Lauderdale, FL.* **SURVEYOR.** The client requested that KEITH provide due diligence services including drainage review services related to recurring drainage issues on the site. The initial civil, survey, and geotechnical services included 1) project research, site visits, document review and preparation of Due Diligence Report, 2) coordination and meetings with client and regulatory agencies, 3) topographic survey, 4) first phase of the geotechnical investigation, 5 soil borings, and 5) first phase Subsurface Utility Engineering (SUE) for location of drainage structures. Additionally, civil tasks were expanded to include pavement marking and signage plans. Landscape architecture services included an existing tree inventory and the development of final construction/permit drawings. Construction services included construction observation, shop drawing reviews, periodic site visits, final inspections, and certifications.

ELECTRICAL

Edmundo Rodriguez, PE



EDUCATION

BS, ELECTRICAL
ENGINEERING,
FLORIDA
INTERNATIONAL
UNIVERSITY

AS, AUTOMATIC
ENGINEERING,
SUPERIOR
POLYTECHNIC
INSTITUTE JOSE
A ECHEVERRIA,
HAVANA CUBA

SPECIFICATIONS
PACKAGE
PREPARATION
TRAINING FOR
CONSULTANTS,
FDOT

LICENSES

PROFESSIONAL
ENGINEERING, FL,
91400

Mr. Rodriguez has over 10 years of experience delivering projects to governmental entities across Florida and Puerto Rico. Mr. Rodriguez has been actively involved in the design, construction supervision, and inspection of projects encompassing electrical systems for utility infrastructure and transportation systems. He has a proven track record of interdisciplinary coordination that helps proactively address conflicts, keeping projects on track. His expertise includes the development of water and wastewater treatment plants, high-capacity pump stations, stilling wells, and solar power systems. This experience in power generation, distribution, and protection systems, along with his extensive experience in the transportation sector (lighting, signalization, and intelligent transportation systems), brings unparalleled expertise to any project execution.

RELEVANT EXPERIENCE

The Underline PH3, Metrorail ROW from SW 19th Avenue to Dadeland S Metrorail Station - MDC DTPW. Miami, FL. LIGHTING EOR / SENIOR PROJECT ENGINEER. Scope consists of a 7.36-mile multimodal transportation corridor and urban world class trail providing separate off-street bicycle and pedestrian paths, landscaping, lighting, and amenities. Responsibility includes provision of new smart lighting, control lighting system and electrical infrastructure for Security Camera and Wi-fi.

Citywide Smart City and Lighting Upgrades (2 Contracts) - CMB Public Works

Department. Miami Beach, FL. CITY ASSISTANT PROGRAM MANAGER. Scope consists of a 7.36-mile multimodal Mr. Rodriguez served as City Assistant Program Manager in Phase 1B (Owners Representative) managing citywide lighting upgrades across approximately 9000 poles and is now serving as the Lighting Engineer of Record for Phase 1C. Phase 1B involved choosing a lighting management system and analyzing project costs, while Phase 1C focuses on the execution of retrofitting 1004 poles to improve lighting levels and upgrading city load centers. His duties include developing the city lighting approved product list in coordination with city stakeholders (PWD, CIP, MBPD, Parking & IT Dept.) for selection/integration of smart city technologies.

SR 953 (NW 103rd Street / SW 49th Street) from West 3rd Avenue to East 10th Avenue - FDOT District 6. Miami, FL. PROJECT DESIGN ENGINEER. Responsible for the signalization and lighting Engineer. The scope of work of this RRR project included new LED lighting retrofit and signalization upgrades (cabinets, pedestrian signals, and vehicles detection improvements) at five (5) signalized intersection and complete reconstruction and installation of new traffic signals at NW 42 Av (SR-932) and LeJeune Rd (SR-953) intersection.

MT 2023006 Intersection & Lighting Improvements (Seven Work Orders) - MDC

DTPW, Highway Division. Miami, FL. LIGHTING EOR. Scope responsibility includes the lighting improvements at multiple locations (two of them within City of Miami). Project entailed the provision of construction documents and Lighting Design Analysis Report. The different work orders under the task included: Midblock crosswalk at Brickell Key Dr and 320 Block; New Signalized intersection at NW 169 Street and NW 75 Place/ NW77 Court; Signalized intersection lighting improvements at NW 173 Drive at NW 75 Pl; New Signalized intersection and lighting at Cow Pen Road and Miami Lakes Drive; Lighting improvements along NW 18th Avenue from NW 62 St to NW 71 Street; Lighting improvements along NW 46 Street from NW 30 Avenue to NW 31 Avenue.

PUBLIC INVOLVEMENT

Heather Leslie

**EDUCATION**JOURNALISM,
UNIVERSITY OF
FLORIDA**LICENSES**

N/A

Ms. Leslie is the Principal and Senior Community Outreach Specialist at HML Public Outreach, bringing 25 years of bilingual communications expertise. She specializes in crafting innovative outreach strategies that blend traditional grassroots methods with cutting-edge approaches, ensuring maximum public engagement. With a deep understanding of resilience and transportation improvements, she excels at translating complex concepts into accessible language. Her extensive experience working with coastal communities further strengthens her ability to create tailored communication strategies that resonate with diverse audiences.

RELEVANT EXPERIENCE**Communications Consulting Services for Golden Glades Interchange Construction Project - FDOT**

District 6. *District-wide, FL.* **PROJECT MANAGER.** Oversees the development of all outreach strategy, including advertising campaign, website development, social media messaging and stakeholder coordination.

Resilience Infrastructure and Adaptation Program - Village of Key Biscayne. *Village of Key Biscayne, FL.* **SENIOR COMMUNITY OUTREACH SPECIALIST.** Coordination and development of strategy, templates and deliverables for Resilience Program. Social media and video campaigns and community events.

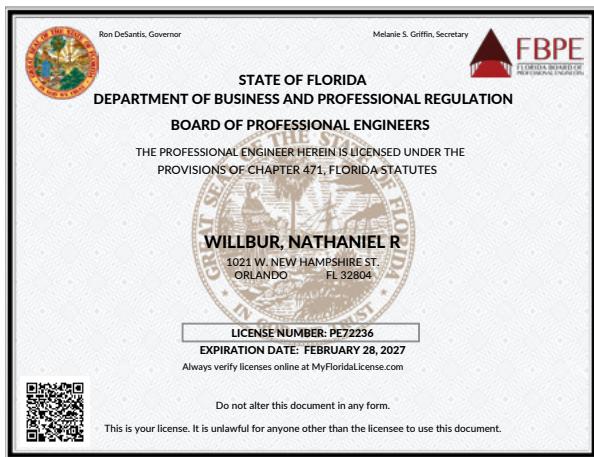
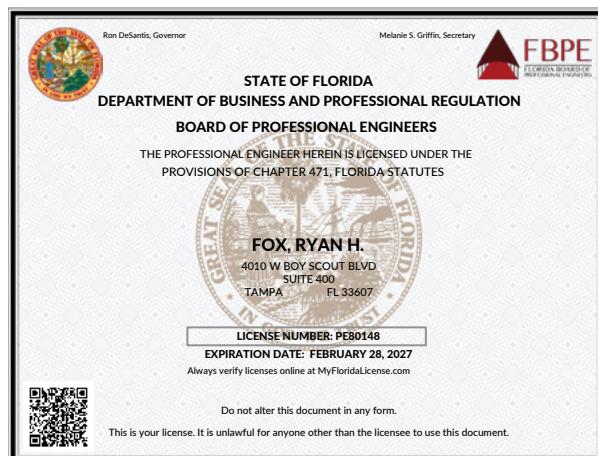
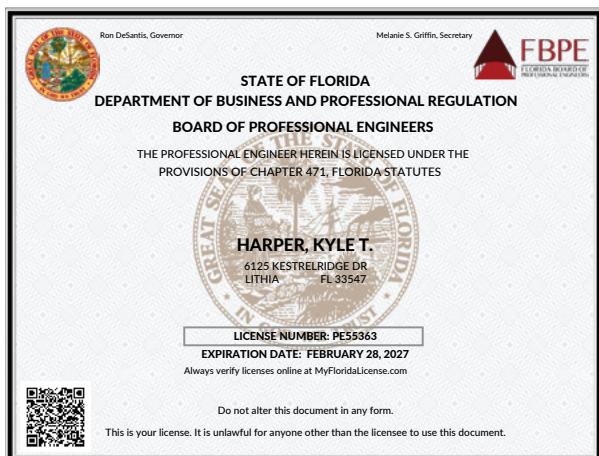
Community Redevelopment Agency, Phase IV Undergrounding of Overhead Utilities and Streetscape Project - City of Hollywood. *City of Hollywood, FL.* **PROJECT MANAGER.** Coordination with client to develop outreach strategy for license agreement meetings and execution. Overseeing development of project branding and planning for upcoming public meetings. Manages contract, staffing and budget.

Utility Infrastructure Improvement Project - Village of Bal Harbour. *Village of Bal Harbour, FL.* **PROJECT MANAGER / PUBLIC INFORMATION OFFICER.** Developed branding for construction materials: fact sheets, advisories, door hangers, outdoor signage and hero slides for website. Develops weekly updates and performs in-person coordination during paving operations.

Districtwide Communications Consulting Services Construction Projects - FDOT District 6. *Village of Bal Harbour, FL.* **PROJECT MANAGER / SENIOR COMMUNITY OUTREACH SPECIALIST.** The project includes building six new bridges, seven improved culverts and elevating sections of Tamiami Trail.

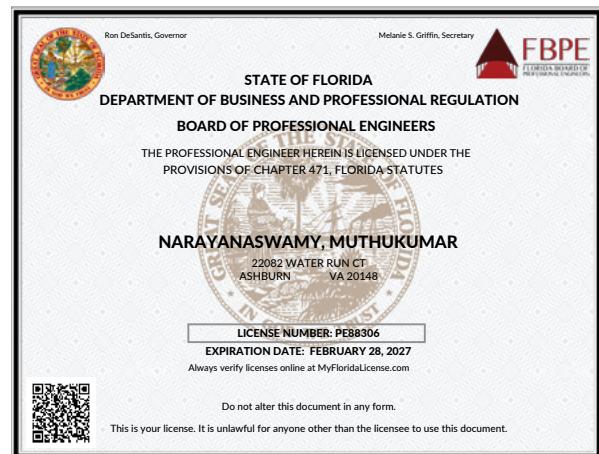
PIO Services on Right-of-Way and Construction Projects - City of Miami Beach. *Miami Beach, FL.* **PROJECT MANAGER / SENIOR COMMUNITY OUTREACH SPECIALIST.** **West Avenue Phase 2 Neighborhood Improvement Project (Design-build):** This project includes underground improvements, installing a pump station and raising the elevation of the roadway to minimize street flooding. It will complete the previous work performed in the neighborhood. **Indian Creek Drive Flooding Mitigation Projects:** This project continued the flooding mitigation, seawall and landscaping improvements along this corridor.

MICHAEL BAKER STAFF LICENSES





LICENSEE DETAILS		1:08:26 PM 3/10/2025
Licensee Information		
Name:	POTRAZA, ANGELA MARIE (Primary Name)	
Main Address:	13214 PALOMA DR ORLANDO Florida 32837	
County:	ORANGE	
License Information		
License Type:	Professional Engineer	
Rank:	Prof Engineer	
License Number:	88146	
Status:	Current,Active	
Licensure Date:	10/07/2019	
Expires:	02/28/2027	
Special Qualifications		Qualification Effective
Civil		10/07/2019



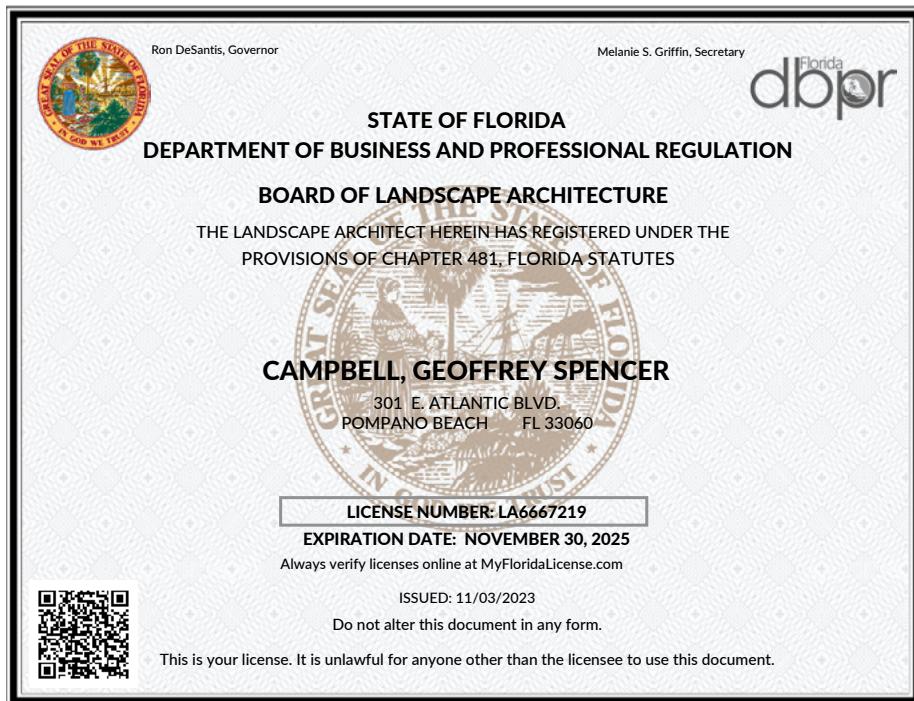
THOMAS GEOTECHNICAL SERVICES STAFF LICENSES



DELTA CONSULTANTING STAFF LICENSES

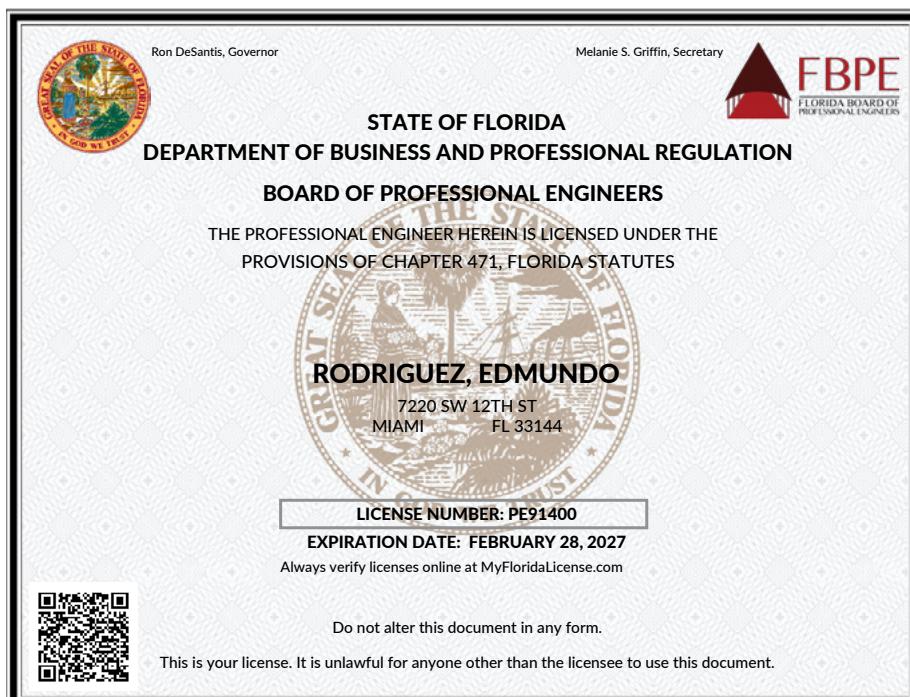
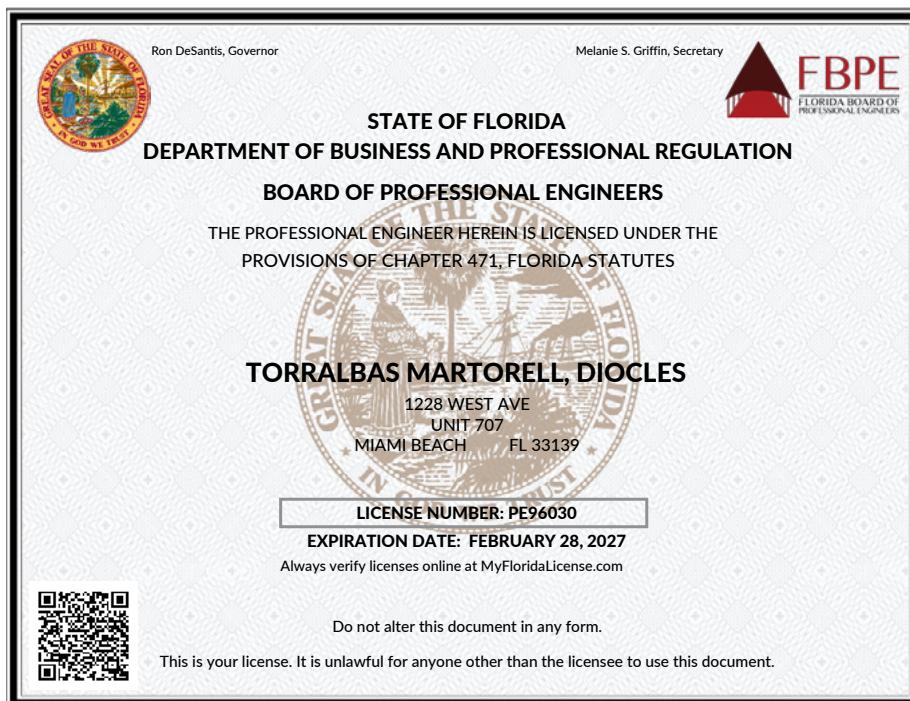


KEITH STAFF LICENSES



1				
DONALD A SPICER				
1215 SW 81 TERRACE, POMPANO BEACH, FL 33068-3536				
License Type Surveyor and Mapper	License# LS4677	Issued 01/20/89	Expires 02/28/27	Status Active
1				

GREEN DADE STAFF LICENSES



SECTION 4.2.5

APPROACH TO SCOPE OF WORK

PROJECT UNDERSTANDING / OVERALL APPROACH

The city's needs, goals, and objectives for the project are centered around enhancing infrastructure, improving safety, and ensuring long-term sustainability. The primary focus is on evaluating and addressing the condition of three bridge structures, determining whether repair or replacement is the most viable solution. The city aims to extend the service life of these structures while ensuring they meet current standards and provide value to the community.

Our approach to accomplishing the project involves a thorough evaluation of the existing conditions of each bridge, followed by a cost/benefit analysis to determine the best course of action, similar to our US 98 East Pass Life Cycle Cost Analysis project. We will consider both repair and replacement options, ensuring that the chosen solution is cost-effective and provides a long-term benefit. As the #5 Bridge Design firm in the nation, our team will leverage our extensive experience in bridge design to develop innovative solutions that minimize disruptions to the community and ensure safety.

Planning and PD&E

Our team understands the roadway design process and recognizes that a PD&E is required to obtain federal funding. As a value add, we can offer this service. Our PD&E team will provide the City of Fort Lauderdale with exceptional client service paired with constructible, cost-effective, and custom solutions. We will determine the level of documentation needed, likely a Type 2, but possibly a Type 1 given the project scope. This will allow us to move quickly through the PD&E process and secure federal funding and other potential funding sources. We will study and consider alternatives to reduce project costs and impacts on the public, exploring every type of construction available to minimize disruptions and develop a preferred alternative for the City. Once we have coordinated with stakeholders and the City on a preferred alternative, we will move into design to prepare construction plans.

Public Involvement

Our team will develop and implement an efficient and effective public involvement campaign, proposing a Community Awareness Plan (CAP) Level 4 effort. This includes drafting the project's CAP, developing a comprehensive stakeholder database, creating informational materials, documenting public comments and planning and facilitating a public meeting. We have used public meetings on our other bridge replacement projects (SR 5 / US 1 NB Bridge Replacement over Turnbull Creek and Ridgemoor Boulevard over Brooker Creek Bridge Replacement) to assist in selecting the best approach to allay public concerns and reduce delays to emergency service response times.

We will also engage with the community through public involvement campaigns to address any concerns and ensure transparency throughout the project. Our goal is to provide the city with efficient, sustainable, and cost-effective solutions that enhance infrastructure and improve safety for all residents.

Alternatives Development and Roadway

We will evaluate left, right, and center alternatives to confirm minimum requirements. Bayview Drive currently serves nearly 8,100 vehicles per day (VPD), SE 13th Street serves about 1,800 VPD, and NE 1st Street serves under 500 VPD. The preferred alternative will be determined by traffic management, bridge replacement costs, and construction time to minimize community impacts. The main roadway scope elements include establishing horizontal and vertical alignments and pavement designs to connect the existing roadway to the new bridge, and maintaining pedestrian access. Given the low traffic volumes and to save construction costs, we will review reducing the shoulder width below the AASHTO Greenbook requirement to match the existing shoulders with 10-foot lane widths, and maintaining the proposed bridge width without needing a variation. The design will deviate from FDOT Greenbook as needed.

Traffic and Safety

A thorough review of crash data will be conducted to identify and mitigate potential crash types with design improvements. The Average Annual Daily Traffic (AADT) will be checked to ensure the design accommodates current and future traffic volumes. With the residential islands and area at near build, traffic volumes are expected to remain constant for the foreseeable future. Detours and their implications will be carefully reviewed to minimize disruptions during construction.

Phased bridge construction will be vetted on an individual basis to maintain traffic flow and ensure safety throughout the project.

Temporary Traffic Control Plan (TTCP)

TTCP will consider several alternatives to ensure minimal disruption to the public and optimal safety conditions. A closure and detour of Bayview Drive looks to be an option which would allow faster bridge construction while that is not the case for 1st St or 13th St. Replacement options at these two locations would be evaluating Accelerated Bridge Construction (ABC) techniques. Another option Michael Baker has previously successfully designed for both Ridgemoor and Miccosukee is a phased construction with two-way one-lane operations, facilitated by temporary signals. This approach would allow continuous traffic flow throughout the project. The use of a temporary ACROW bridge will also be considered, though it may be too costly and infeasible given the narrow ROW in the project area.

ROW

Michael Baker will examine ROW needs of the proposed alternatives and determine potential ROW costs for additional sovereign submerged lands easement, fee simple ROW take, and/or temporary construction easements (TCEs). ROW acquisition time will drive construction timing and schedule, and we understand the cost implications of ROW. Our team will thoroughly analyze potential ROW takes to determine the minimum physical area to build the project and control costs. Early identification and coordination of parcels with the City is our focus to best serve this project. Eliminating the need to permanently or temporarily acquire ROW is our first goal to save time and cost.

Structures

Three bridge structures are included within this contract. Prior to determining repairs or replacement options, the existing conditions need to be understood. For each bridge, we will conduct detailed site reviews and assessments to understand the current state and identify any critical issues. We will then evaluate if extending the service life through repairs is a warranted based on the cost/benefit analysis. Below is a summarized table of the structures.

- Bridge 865708 shows minor deterioration in its substructure based our Team's site visit. Similar to other bridges in this vicinity, some damage to embankment protection is present and debris is able to slightly restrict the channel.
- Bridge 865727 is in poor condition as stated in the latest bridge inspection report. With advanced deterioration in the superstructure and similar issues with railings and guardrails, action is required to protect these main bridge elements. exposed foundations from further erosion and corrosion.

Bridge	Year Built	Sufficiency Rating Health Index	Bridge Posting?	Bridge Type	Bridge Rating
#865708 Bayview Drive	1962 Age = 63 Years	Not in state bridge inventory	Yes	Precast concrete slab panels 1 span < 20 Feet	Functionally Obsolete
#865727 NE 1st Street	1940 Age = 85 Years	9.2 out of 100 94.5 out of 100	Yes	Continuous street beam with open grating deck 44 feet - 2 ~22 foot spans	Structurally Deficient
#865765 SE 13th Street	1952 Age = 73 Years	22.2 out of 100 52.1 out of 100	Yes	Concrete tee beams 180 feet - 9~20 foot spans	Functionally Obsolete

- Bridge 865765 is in fair condition per the latest bridge inspection report. The primary structural elements are in decent condition with minor issues such as section loss, cracking, and spalling. However, the bridge's railings and guardrails do not meet current standards.

A structure's typical service life is 75 years. Each of these structures have reached or are approaching the end of their intended service life and considering each's current condition, replacement appears to be the appropriate solution. Given the aggressive environment of these water crossings, the new structures would need to be replaced with a shallow superstructure type such as a precast Florida Slab Beam to minimize the associated roadway construction and ADA compliance. Michael Baker has recent and tremendous project history providing design services for the replacement of low water crossing bridges; 1.) D5 NB US 1 over Turnbull Creek (Volusia Co.), 2.) D7 Ridgemoor Blvd (Pinellas Co), 3.) D3 Miccosukee Rd (Leon Co), 4.) D3 SR 20 over Lafayette Creek (Walton Co). We recently completed the design for NB US 1 over Turnbull Creek which is located in an extremely aggressive environment adjacent to the Intracoastal Waterway similar to these bridges in Fort Lauderdale. Also, we identified the recommended hydraulic clearance could be reduced to save construction costs. A similar approach will ensure the City is provided with the most efficient replacement structure.

Key factors important for the successful replacement are structure length and depth, foundation selection, material selection for the highly corrosive environment, hydraulics, anticipated scour, utilities, and TTCP considerations. Given the close proximity to residential properties, we will examine the use of drilled shafts to minimize the vibrations and noise. Determination of a new alignment will be coordinated closely with our Roadway and TTCP design groups to maintain access for the residents. Careful planning and construction staging is critical to minimize impacts to the residents while also ensuring a contractor can safely perform construction activities. As proof of our innovative approach, our Team understands these replacements may provide an opportunity to use accelerated bridge construction techniques to reduce impacts as much as possible. Potential alternatives are a precast arch structure or a lightweight modular bridge system. The benefits of a buried arch bridge structure include rapid installation, reduced maintenance, elimination of bridge deck and joints, and improved aesthetics. Benefits for a lightweight modular bridge are prefabricated components allowing for simple construction with smaller equipment needed for placement. It is important for the replacement to consider retaining walls. A potential need for walls would be parallel to the roadway along the right-of-way line (adjacent to the resident's property lines) and bulkhead/seawalls in front of the bridge ends.

Drainage

The three bridges are located within the intercoastal basin with direct hydraulic connections to the Atlantic Ocean at the Hillsboro and Port Everglades inlets to the north and south, respectively. This intercoastal basin is not an Outstanding Florida Waterway nor impaired for nutrients or other parameters with special water quality requirements. All three bridges are located within FEMA Zone AE coastal floodplain with 100-year elevations between six and seven feet NAVD88. Based on initial review the existing bridges overtop for the 100-year flood. The FEMA Florida Insurance Study does not provide wave heights for the 100-year frequency; however, 500-year wave heights are reported to reach up to elevation nine feet NAVD88. Additional investigation will be conducted to confirm the presence of waves at the bridge sites for the bridge design frequencies. A bridge hydraulics investigation will be conducted to evaluate peak design stages and velocities at the bridge crossings to evaluate the proposed bridge profile, wave forces (if applicable) and scour.

Geotechnical

Our team will perform a subsurface exploration program to identify the characteristics of the existing soils. The subsurface exploration program will consist of hand auger borings for roadway considerations and Standard Penetration Test (SPT) borings for the proposed wall, utility locations, and bridge. Groundwater level measurements will be taken at the boring locations and the Seasonal High Groundwater Table (SHGWT) will be estimated. Samples of the soils within the waterway will be subjected to sieve analysis to establish D50 values to be used for scour calculations as part of the Bridge Hydraulics Report (BHR).

Survey / SUE / Utility Design

Our team will combine traditional land surveys with bathymetric survey for submerged areas ensuring thorough coverage. We will start shortly after the Notice to Proceed (NTP) to help keep the project on track and support alternative development. We will gather subsurface information and resolve conflicts critical for staying on schedule. Water, sewer, and reclaimed water relocation designs will also support the construction plans effort, as they are necessary to support new bridge construction.

Utility Coordination

Our team aims to minimize utility conflicts through careful design, adhering to FDOT utility coordination process and F.S. 337.401-403. We have obtained the design ticket and identified utility agencies within the project limits. A Utility Conflict Matrix will be developed to pinpoint potential conflicts and resolutions, with utility design meetings held to address issues promptly. Coordination with FPL and their poles joint users will be scheduled for necessary relocations. To mitigate schedule impacts, we will request from utilities to perform as much utility work as possible before construction and, if relocations are needed during construction, schedule work during appropriate MOT phases or allow the bridge contractor to handle relocations. The utility coordination process includes obtaining design ticket, field visits, identifying utility owners, initial contacts, preliminary meetings, distributing Utility Conflict Matrix and plans, obtaining Work Schedules, and finalizing utility certification. Specific utility relocations for SE 13th Street Bridge, NE 1st Street Bridge, and Bayview Longboat Inlet Bridge, will be to address the relocation of poles, lines, and cabinets to avoid construction impacts.

Wetlands and Seagrass

The project will impact waters of the United States and waters of Florida, requiring permits from the USACE and the South Florida Water Management District. The jurisdictional boundary will be marked by Michael Baker's environmental scientists and recorded by the surveyor. The design will minimize impacts to jurisdictional waters to avoid the need for mitigation.

Protected Species

We reviewed the list of protected species with potential for occurrence in the project corridor from the US Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) website. Suitable habitat for the West Indian manatee occurs in the project areas. Marginally suitable habitat for the Florida bonneted bat, American crocodile, American alligator, small-toothed sawfish, and possibly sea turtle species occurs in the project areas. It is anticipated the contractor will be required to follow special protection measures for some of these species as a condition of the USACE permit.

Conservation Lands / 4(f) Resources

We are aware that for the NE 1st Street bridge, the western bridge approach is bordered by Annie Beck Park to the north and Victoria Park to the south. The design solution for this bridge will seek to maintain existing right-of-way limits to avoid Department of Transportation Act, Section 4(f) impacts at this bridge. If for some reason 4(f) impacts are unavoidable, coordination with the City's Parks and Recreation Office will be necessary to determine the significance of the impact and identify measures to minimize harm to the 4(f) resource. Concurrence with and approval of the measures will be requested from the Parks and Recreation Office.

Cultural Resources

We will analyze the impacts to all cultural resources by reviewing the project scope and preparing a Cultural Resource Assessment Survey (CRAS) Report. Background research will be conducted to identify previously recorded resources and the potential for newly identified resources within the project Area of Potential Effects (APE). A Florida Master Site File (FMSF) form will be prepared for all newly identified and updated previously recorded resources not evaluated by the State Historic Preservation Officer (SHPO) or altered since they were recorded. The CRAS will be prepared with appropriate documentation detailing the survey results and final assessments of resource significance. All work will be done in accordance with the National Historic Preservation Act of 1966 (Public Law 89-665, as amended) and the implementing regulations (36 CFR 800) as well as with the provisions contained in Part 2, Chapter 8 ("Archaeological and Historical Resources") of FDOT's Project Development and Environment (PD&E) Manual. All work will be conducted by a professional who meets the Secretary of the Interior's Professional Qualification Standards (48 FR 44716) for archaeology, history, architecture, architectural history, or historic architecture. Concurrence with the findings of the report will be obtained from Florida SHPO.

Contamination

We propose conducting a contamination screening in accordance with the FDOT's PD&E Manual: Part 2, Chapter 20 Contamination. We reviewed relevant GIS databases maintained by the FDEP, and no potential contamination sites were identified. Additional contamination consideration are the bridge replacements themselves. In general, bridges can be a source of hazardous materials due to construction materials containing asbestos or metals-based coatings. Per FDOT's PD&E Manual, Chapter 20, when a bridge is renovated or demolished, an asbestos survey and screening for metals-based coatings should be performed to determine their extent.

PROPOSED VISION, IDEAS, AND METHODOLOGY

Our approach to this task work order contract by our team, for each assignment, will begin the process with our Project Manager, Stephen Fowler discussing the task with the City's project manager. Mr. Fowler will review the project scope in detail and assign it to the design team for review. Our goal is to perform a comprehensive field review will be conducted, involving the design team and any necessary specialty subconsultants. City staff will be invited to participate.

Following the field review, a scope clarification meeting will be held to refine the project scope and schedule before developing and negotiating staff hours. Once negotiated and the notice-to-proceed (NTP) is received, the design team will perform the necessary design analyses and develop all required design documents, including typical sections, design variations and exceptions, sensitive sites analysis, and more. The project manager will manage internal operations and day-to-day production reporting regularly to the City project manager. The project manager will schedule meetings before critical design stages, including pre-QC meetings to ensure compliance with the QA/QC process. They will support the design team as needed for all meetings with City staff (including utility meetings, comment resolution meetings, ROW meetings, etc.) to ensure consistency in the TWO design and contract management process.

COMPLETED, ACTIVE, AND PROJECTED WORKLOAD

We are 100% committed to providing the City with premium service. The following workloads provide a transparent understanding of our team's commitments. Our completed, active, and projected workloads will not interfere with our ability to provide available and qualified staff to perform the services this project requires.

Role	Name	Firm	Availability
Project Manager	Stephen Fowler, PE	Michael Baker	65%
Deputy Project Manager	Manda Metzger, GIP	Michael Baker	60%
Principal-In-Charge	Brian Russell, PE	Michael Baker	30%
QA/QC Manager	Kyle Harper, PE	Michael Baker	40%
Structures Lead	Ryan Fox, PE	Michael Baker	75%
Roadway Lead	Nate Willbur, PE, RSP ¹	Michael Baker	65%
TTCP Lead	Tim Wineberg, PE	Michael Baker	50%
Drainage and Hydraulics Lead	Paul Snead, PE	Michael Baker	60%
Coastal Lead	Muthukumar Narayanaswamy, PhD, PE	Michael Baker	55%
Traffic Lead	Angela Potraza, PE	Michael Baker	50%
Signals / Lighting	Joey DeFrancisco, PE	Michael Baker	50%
CEI Lead	Wilbur Wright, PE	Michael Baker	60%
Environmental Lead	Jay Gable	Michael Baker	55%

Michael Baker has provided CEI services on projects for the City of Fort Lauderdale since 2017. Our team continues to provide outstanding coordination with the City's project management team and stakeholders, while also advancing projects within the contract requirements. The City can rely on the exceptional delivery method that Michael Baker uses across all phases of a project life cycle.

Michael Baker's Work History with the City of Fort Lauderdale - Completed, Active, and Projected			
Bermuda Riviera Small Water Main Replacement	9/2020	CEI Services Related to the George T. Lohmeyer Wastewater Treatment Plant Redundant Effluent Force Main Project	Ongoing
George T. Lohmeyer Treatment Plant Large Diameter Pipe Replacement CEI	8/2021	A-11 Tarpon River Sewer Basin Rehab Phase 1	Ongoing
George T. Lohmeyer Treatment Plant Motor Control Centers	3/2022	Smoke Testing Defect Repairs - Basins A7, A9, A18, D40, D43	Projected
South Beach Parking Lot	11/2022	A-11 Tarpon River Sewer Basin Rehab Phase 2	Projected
George English Parking Lot Resurfacing and Striping	11/2022	NW 15th Street Roadway Improvements	Projected
Pump Station A-7 Upgrades	3/2023	Fort Lauderdale Parking Lot Projects CEI	Projected
Lake Estates Water Main CEI	5/2023	MASTER AGREEMENTS	
Surtax Cycle 3 Cost Estimates	6/2023	CEI Services Continuing Contract RFQ-12464-416, 3 Year with 2 1 Year Renewal	--
A-24 Pump Station and 18" Force Main	Ongoing	CEI Continuing Services Contract RFQ 12674-126	--
A-21 Flagler Heights	Ongoing	Kittelson COFL Traffic & Transportation Engineering & Planning	--

Lessons Learned and Key Considerations

Michael Baker's CEI contracts with the City have been successful due to a few key considerations that need to be taken into account for other Fort Lauderdale utility projects. Dewatering requirements and permitting are a significant part of any project in the South Florida region where the ground water table is within the depth of project scope. Another consideration for projects is bypass pumping of any sanitary or storm system. This could directly impact the project area by using a bypass, but also indirectly affect residents and other upstream stakeholders. Long lead time items and delivery concerns for materials not readily available will impact project schedule and would potentially adversely effect the funding for a project and budget years for projects lasting more than a fiscal cycle.

DEWATERING

The contracting team is experienced and well versed at the execution of dewatering. The selected contractor is responsible for ensuring all control measures are in place, including any dewatering permits and temporary discharge permits with all respective agencies prior to any excavations will prove vital.



LONG LEAD ITEMS

Identification of long lead items and ensuring early submittal approvals is key to the schedule. Continued tracking of these items until delivery will confirm contractor compliance with the project schedule.



BYPASS PUMPING

- Capacity maximum the terminal manhole or system of receiving the bypass.
- Rehab of pump stations and use of existing wet well to decrease need of pump cycles. Decrease cycling of the bypass pump.
- Bypass Pumps send high level alerts from the project site. Always have backup pumps onsite.



Similar Active and Completed Projects

Michael Baker has served over 25 clients on 100+ bridge projects across the Florida over our 40-year presence in the state. We have active and completed projects of similar size and scope including:

- **Ridgemoor Boulevard at Brooker Creek Bridge Replacement**
Current Status: *Submitted at 100% in February 2025*
- **SR 5 / US 1 Northbound Bridge Replacement Over Turnbull Creek**
Current Status: *In Construction*
- **Miccosukee Road Over Branch of Alford Arm Bridge Replacement**
Current Status: *In Construction*
- **10th and 11th Avenue South Booker Creek Bridge**
Current Status: *Constructed (Complete)*
- **US 98 Bridges Over East Pass Preliminary Bridge Repair Plan, Cost Estimate, and Life Cycle Cost Analysis**
Current Status: *Final Submittal in December 2025*
- **D3 SR 20 Capacity**
Current Status: *Submitted at 60% in January 2025; 90% due in September 2025*
- **D7 US 98 Design-Build**
Current Status: *In Construction*
- **SR 60 Design-Build**
Current Status: *Construction to be Completed in April 2025*

AVAILABLE FACILITIES, TECHNOLOGICAL CAPABILITIES, AND RESOURCES

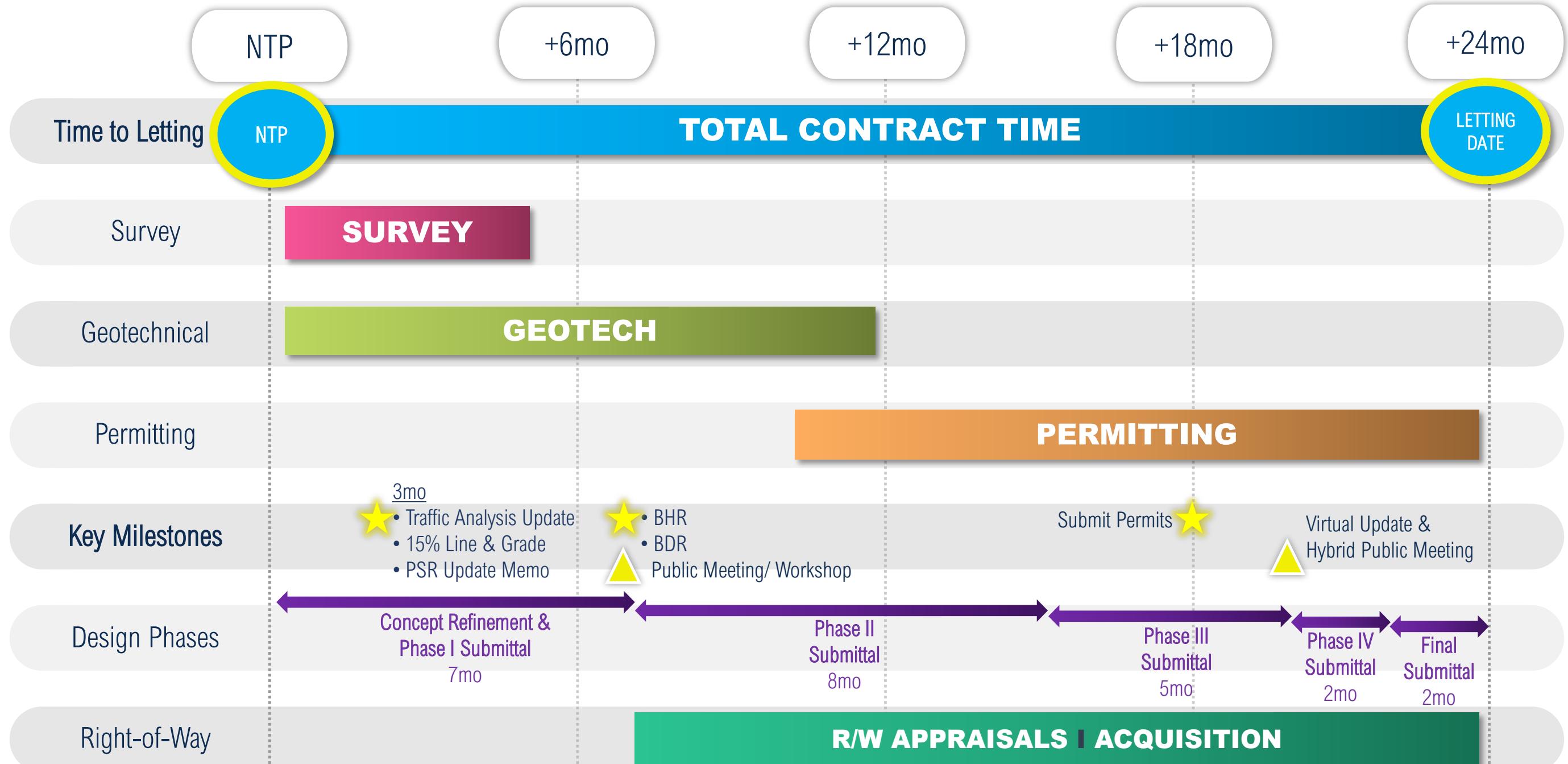
Our team is equipped with state-of-the-art software to ensure the successful completion of the bridge replacement project. We utilize advanced 3D design software such as OpenRoads Designer and OpenBridge Modeler, which allow us to create highly detailed and accurate models of the bridge and surrounding infrastructure. These tools enable us to visualize the project in three dimensions, identify potential issues early in the design phase. Our team has extensive experience and advanced skills in using these programs, ensuring that we can deliver high-quality designs that meet all project requirements.

We also use ProjectWise, a robust project management and collaboration platform that allows our entire team to access and share files easily. This software enhances communication and coordination among team members, ensuring that everyone is on the same page and can contribute effectively to the project. ProjectWise also offers controlled access features, which are crucial for maintaining the security of sensitive information related to bridge projects, as they are part of homeland security. Furthermore, we utilize Microsoft Teams to effectively communicate with all team members on coordination calls regarding the project. We are available to meet with the client and can set up in-person or virtual meetings at the client's request.

Our team includes highly experienced professionals with extensive backgrounds in bridge design, geotechnical engineering, and environmental assessment. Ryan Fox, our structures lead, has extensive design experience in both concrete and steel structures over his 14-year career. He has worked on over 40 bridges over water, including notable projects like FDOT D5 SR 5 / US 1 NB Bridge Replacement over Turnbull Creek, FDOT D7 Ridgemoor Boulevard over Brooker Creek Bridge Replacement, and FDOT D3 SR 20 over Lafayette Creek. Francois Thomas, our geotechnical lead, brings over 30 years of experience in geotechnical engineering, construction materials testing, and inspection services, with a depth of knowledge of the soils in the Fort Lauderdale area. Jay Gable, our environmental lead, is well-versed in the South Florida Water Management District's Environmental Resource Permitting process and the USACE Section 404 permitting process, with extensive experience in permitting bridge replacement projects for the FDOT, FDEP, and the Florida Fish and Wildlife Conservation Commission. With these technological capabilities and our team's expertise in bridge design, geotechnical analysis, and environmental assessment, we are well-equipped to manage and execute the project effectively from start to finish.

PROPOSED SCHEDULE

Our proposed schedule for the project begins with notice to proceed and aims to issue construction drawings within a 24-month period for each bridge. Tasks can be overlapped by a few months to optimize the timeline. Surveying and geotechnical investigations will be conducted one site at a time to streamline the process. Permitting is expected to control the length of the schedule. To accelerate the project, we can consider compressing Phase II and potentially eliminating Phase III. We will remain flexible with the schedule to accommodate any adjustments needed to meet the city's requirements.



SECTION 4.2.6

REFERENCES

All references shall include owner, address, contact name, phone number, email and the contract value. References shall not include the City of Fort Lauderdale. A minimum of three (3) references shall be provided. Refer to Section 2.8 Minimum Qualifications.

Note: Do not include proposed team members or parent/subsidiary companies as references in your submittals.

A. PROPOSERS NAME: Michael Baker International, Inc.

SPECIFIC EXPERIENCE NO.1

Name of firm to be contacted: FDOT District 7

Address: 11201 N. McKinley Drive, MS 7-600 Tampa, FL 33612

Contact Person: Mark Dunn, PE | FDOT GEC Project Manager

Phone No: (813)975-4248

Contact E-Mail Address: Mark.Dunn@dot.state.fl.us

Project Performance Period: 02/26 to 08/27

Dates should be in mm/yy format

Project Name : Ridgemoor Boulevard at Brooker Creek Bridge Replacement

Location of Project: Pinellas County, FL

Description of the overall scope:

This project provides design services for the replacement of Bridge #154153 Ridgemoor

Boulevard over Brooker Creek.

Description of work that was self-performed by proposer:

Please see full project description in Section 4.2.3 Firm Qualifications and Experience.

Original Project Budget: \$7.5M Project Final Cost: \$7.5M (Construction)
\$910,567 (Fee)

SPECIFIC EXPERIENCE NO.2

Address: FDOT District 5 | 719 S. Woodland Boulevard, MS 542, Deland, FL 32720

Contact Person: Gene Varano | Project Manager

Phone No: (386)663-2754

Contact E-Mail Address: gene.varano@dot.state.fl.us

Project Performance Period: 10/24 to 10/25

Dates should be in mm/yy format

Project Name : SR 5 / US 1 Northbound Bridge Replacement Over Turnbull Creek

Location of Project: Volusia County, FL

Description of the overall scope:

Michael Baker is providing services for replacement of the structurally deficient SR 5 US 1 NB

Bridge over Turnbull Creek (#790086).

Description of work that was self-performed by Proposer:

Please see full project description in Section 4.2.3 Firm Qualifications and Experience.

Original Project Budget:\$6M

Project Final Cost:\$5.5M (Construction)

\$993,890 (Fee) + \$90,545

(Post Design)

SPECIFIC EXPERIENCE NO.3

Address: Leon County | 2280 Miccosukee Road, Tallahassee, FL 32308

Contact Person: Charles Wu, PE | PW Director of Engineering Services

Phone No: (850)606-1500

Contact E-Mail Address: WuC@leoncountyfl.gov

Project Performance Period: Design NTP 11/19 to Final Submittal 5/23; Construction 6/24 - 04/25 (Est.)

Dates should be in mm/yy format

Project Name : Miccosukee Road Over Branch of Alford Arm Bridge Replacement

Location of Project: Leon County, FL

Description of the overall scope:

Michael Baker is preparing construction documents for the replacement of the Miccosukee

Road Bridge that crosses the Alford Arm Tributary (Bridge No. 550051).

Description of work that was self-performed by Proposer:

Please see full project description in Section 4.2.3 Firm Qualifications and Experience.

Original Project Budget: \$832,000

Project Final Cost: \$3.4M Construction)

\$831,747 (Fee) + \$15,439
(Post Design)

SECTION 4.2.7

MINORITY/WOMEN (M/WBE) PARTICIPATION

MINORITY / WOMEN (M/WBE) PARTICIPATION

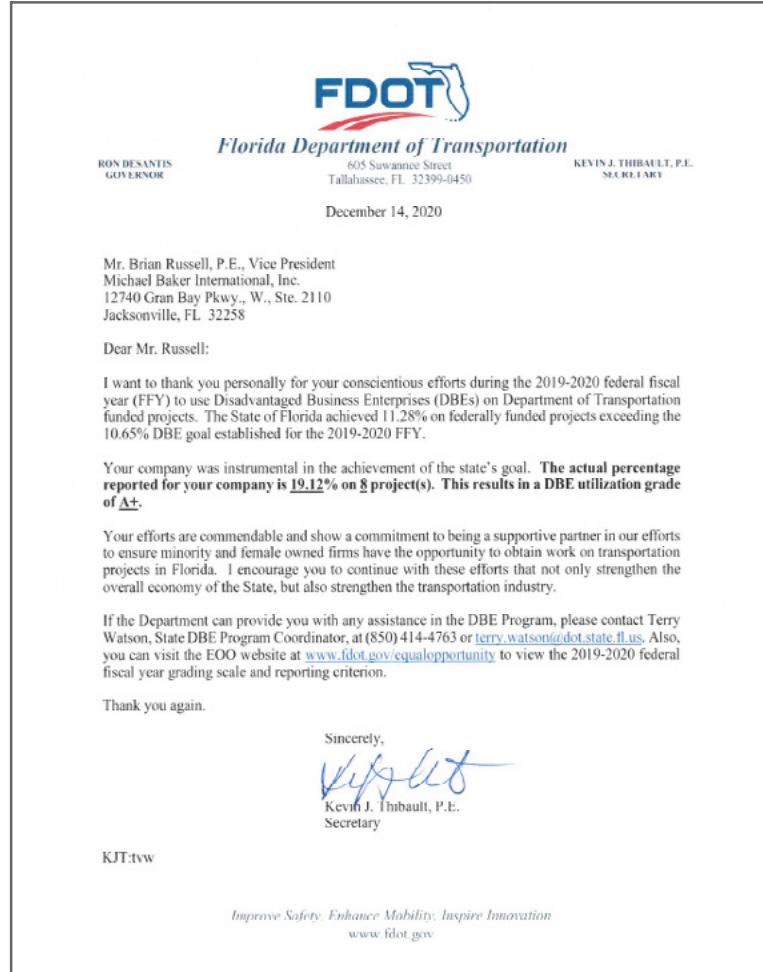
As the primary firm on this submission, Michael Baker is not a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985.

Commitment to Utilization of Minority, Women-Owned, Small Businesses

Firmwide, Michael Baker remains steadfast in its dedication to utilizing M/WBE to the greatest extent possible. Michael Baker believes that Good Faith Efforts are an ongoing process, one that should garner tangible teaming results each time staff reaches out to potential partners. This does not occur only when a project opportunity presents itself. Efforts are made regularly, through meetings and visits with potential teaming candidates, via lunch and learn sessions, by attending FDOT workshops, and during networking sessions. As a result, Michael Baker emerges having forged relationships with highly skilled, well-known DBE firms whose specialties, experience, familiarity and intimate knowledge of the industry compliment the firm's capabilities. This practice allows Michael Baker to build relationships with new and emerging businesses as well, which ensures that a broader base of DBE firms is included in potential opportunities.

For this contract, we have developed a team of highly qualified M/WBE firms, including Green Dade, Delta Consulting, and Thomas Geotechnical Services.

Both of these firms have a long-standing reputation of high quality service and maintaining a standard of excellence. Michael Baker has selected subconsultant firms that present strong qualifications, and are locally owned and operated. Our team is committed to providing the necessary human and physical resources required to ensure that the City receives a quality product that offers the highest level of expertise, accuracy, timeliness, communication, accessibility, responsiveness, and innovation.



THOMAS GEOTECHNICAL M/WBE CERTIFICATES



GREEN DADE M/WBE CERTIFICATES

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

September 21, 2023

REGISTERED VENDOR NO.: 1000001008

CERTIFICATION EFFECTIVE DATE:
September 21, 2023

CERTIFICATION EXPIRATION DATE:
September 21, 2026

Dear Mr. Rodriguez:

Congratulations, the South Florida Water Management District (District) has certified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may only be applied when business is conducted in the following area(s):

Professional; Architectural; Electrical; Civil; Communication Engineering Services; Cost Estimating; Engineering Construction Inspections and Certifications

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,

Jennifer Dollar
SBE Program Specialist
Procurement Bureau

JD

Internal Services Department
Small Business Development
111 NW 1 Street, 19th Floor
Miami, Florida 33128
T 305-375-3111
F 305-375-3160

January 13, 2023

Edmundo Rodriguez
Green Dade, Inc.
7220 SW 12th St
Miami, FL 33144

Approval Date: January 10, 2023 Small Business Enterprise - Architectural & Engineering (SBE-A&E)
Expiration Date: January 31, 2026

Dear Edmundo Rodriguez,

Miami-Dade County Small Business Development (SBD), a division of the Internal Services Department (ISD), has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Miami-Dade County Small Business Enterprise. The Small Business Enterprise (SBE) programs are governed by Sections 2-8.1.1.1; 2-8.1.1.1.2; 2-10.4.01; 10-33.02 of Miami-Dade County's Codes. This Small Business Enterprise - Architectural & Engineering (SBE-A&E) certification is valid for three (3) years. However, to validate continuing eligibility, SBD may conduct random audit(s) within the three (3) year certification period. Failure to provide required documentation for a random audit will initiate the decertification process.

At the time of expiration, your firm will submit a Re-certification Application at least one hundred and eighty (180) days, but not less than, ninety (90) days, prior to the end of the three (3) year certification term via the County's web-based system, Business Management Workforce System (BMWS). This will ensure sufficient time for process by SBD. Failure to provide the re-certification application and required supporting documentation will initiate the decertification process.

If at any time there is a material or business structure change in the firm including, but not limited to, ownership, officers, director, scope of work being performed, daily operations, employees(s) with other firms, or the physical location of the firm, you must notify this office within thirty (30) calendar days of the effective date of the change(s) via the BMWS. Notification should include supporting documentation. You will receive timely instructions from this office as to how you should proceed, if necessary. Failure to notify SBD of any changes may result in immediate action to decertify the firm.

This letter will be the only approval notification issued for the duration of your firm's three-year certification. If the firm attains graduation and becomes ineligible during the three-year certification period, you will be properly notified following an administrative process that your firm's certification will no longer be valid to bid. Your firm's name and tier level will be listed in the directory for all SBE certified firms, which can be accessed through Miami-Dade County's SBD website: <http://www.miamidade.gov/globalbusiness/smallbusiness/home.page>. The categories as listed below affords you the opportunity to bid and participate on contracts with Small Business Enterprise measures.

It is strongly recommended that you register your firm as a bidder with Miami-Dade County. To register, you may visit: <https://www.miamidade.gov/globalbusiness/procurement/home.page>. Thank you for your interest in doing business with Miami-Dade County. If you have any questions or concerns, you may contact our office at 305-375-3111 or via email at sbdcert@miamidade.gov.

Sincerely,

Jeanise Cummings-Labossiere
Jeanise Cummings-Labossiere
Section Chief, Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)
MDC-TCC 03-07: TRAFFIC SIGNAL TIMING
MDC-TCC 03-08: INTELLIGENT TRANSPORTATION SYSTEM ANALYSIS, DESIGN, AND IMPLEMENTATION
MDC-TCC 03-10: LIGHTING
MDC-TCC 03-11: SIGNALIZATION
MDC-TCC 05-01: ENGINEERING DESIGN
MDC-TCC 13: GENERAL ELECTRICAL ENGINEERING
MDC-TCC 17: ENGINEERING CONSTRUCTION MANAGEMENT
NAICS 541330: ENGINEERING SERVICES

DELTA CONSULTANTS (M/WBE) CERTIFICATES

 **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

July 26, 2023

REGISTERED VENDOR NO.: 1000000843

CERTIFICATION EFFECTIVE DATE:
July 26, 2023

CERTIFICATION EXPIRATION DATE:
July 26, 2026

Dear Ms. Evora:

Congratulations, the South Florida Water Management District (District) has certified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may only be applied when business is conducted in the following area(s):

Civil; Environmental; Stormwater; and Mechanical Engineering Services

Your submitted *list of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.*

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,

Jennifer Dollar
SBE Program Specialist
Procurement Bureau

JD

2001 Gun Club Road, West Palm Beach, Florida 33406 • (561) 696-6900 • 1-800-432-2045
Mailing Address: P.O. Box 24603, West Palm Beach, FL 33460-4603 • www.sfwmd.gov

State of Florida

Woman & Minority Business Certification

Delta Consultants LLC

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
07/08/2024 to 07/08/2026


Pedro Allende
Florida Department of Management Services

Office of Supplier Development
MSD, 4000 Esplanade Way, Suite 380
Tallahassee, Florida 32399
(850) 488-5933
www.dms.myflorida.com/ossd

 **WBENC**
WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

JOIN FORCES. LEARN. GROW. PARTNER.

hereby grants

National Women's Business Enterprise Certification

to

Delta Consultants LLC

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled and is valid through the date herein.

Certification Granted: November 9, 2023
Expiration Date: November 9, 2025
WBENC National Certification Number: WBE2303260

WBENC National WBE Certification was processed and validated by Women's Business Enterprise Council Florida, a WBENC Regional Partner Organization.


Nancy Allen, President & CEO
Women's Business Enterprise Council Florida

WBEC FLORIDA
WOMEN'S BUSINESS ENTERPRISE COUNCIL

NAICS: 541330
UNPSC: 81101500, 81101501, 81101510, 81101523, 81101527, 81101528, 81102200, 81102500



 **MIAMI-DADE COUNTY**
Danielle Levine Cava, Mayor

Office of Small Business Development
111 NW 1 Street, 19th Floor
Miami, Florida 33128
T 305-375-3111 F 305-375-3160
miamidade.gov

December 19, 2024

Mariana Evora
Delta Consultants LLC
4841 NW 1st Ave
MIAMI, FL 33127

Approval Date: December 16, 2024 - Disadvantaged Business Enterprise (DBE)
Anniversary Date: January 3, 2026

Dear Mariana Evora,

Miami-Dade County Office of Small Business Development (OSBD) is pleased to notify you that your firm is certified under the Florida Unified Certification Program (UCP). Your firm meets the eligibility requirements for certification as a Disadvantaged Business Enterprise (DBE) in accordance with 49 CFR Part 26.

DBE certification is continuous with no expiration date; however, firms are required to attest that there are no changes via the No Change Declaration form on or before the firm's anniversary date to remain certified. You will be notified of your annual responsibilities in advance of the Anniversary Date listed above. You must submit the annual No Change Declaration form no later than the Anniversary Date to maintain your eligibility. Your firm will be listed in the UCP DBE Directory which can be accessed through the Florida Department of Transportation's website: <http://www3b.dot.state.fl.us/EqualOpportunity/OfficeBusinesses/Directory/>.

DBE certification is NOT a guarantee of work, but it enables the firm to compete for and perform contract work on all USDOT Federal Aid (FAA, FTA and FHWA) projects in Florida as a DBE contractor, sub-contractor, consultant, sub-consultant or material supplier.

If at any time there is a material change in your firm, you must advise this office by sworn affidavit and supporting documentation within thirty (30) days. Changes include, but are not limited to ownership, officers, directors, management, key personnel, scope of work performed, daily operations, on-going business relationships with other firms, individuals or the physical location of your firm. After our review, you will receive instructions as to how you should proceed, if necessary. Failure to comply will result in action to remove your firm's DBE certification.

It is strongly recommended that you register your firm as a vendor with Miami-Dade County. To register, you may visit: <http://www.miamidade.gov/procurement/vendor-registration.asp>. Thank you for your interest in doing business with Miami-Dade County. If you have any questions or concerns, you may contact our office at 305-375-3111 or sbdec@miamidade.gov.

Sincerely,


Jeanise Cummings-Labossiere
Section Chief, Small Business Development

NAICS & Industry Title: (Your firm is eligible to compete for and perform work on all USDOT Federal Aid projects throughout Florida and may earn DBE or ACDBE credit for work performed in the following areas.)

NAICS 541330: ENGINEERING SERVICES

 **WBENC**
WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

JOIN FORCES. LEARN. GROW. PARTNER.

hereby grants

WOMAN OWNED SMALL BUSINESS (WOSB) CERTIFICATION TO

Delta Consultants LLC

The identified small business is an eligible WOSB for the WOSB Program, as set forth in 13 C.F.R. part 127 and has been certified as such by an SBA approved Third Party Certifier pursuant to the Third Party Agreement, dated June 30, 2011, and available at www.sba.gov/wosb.

The WOSB Certification expires on the date herein unless there is a change to the SBA's regulation that makes the WOSB ineligible or there is a change in the WOSB that makes the WOSB ineligible. If either occurs, this WOSB Certification is immediately invalid. The WOSB must not misrepresent its certification status to any other party, including any local or State government or contracting official or the Federal government or any of its contracting officials.

Majority Female Owner: Mariana Evora

NAICS: 541330
UNPSC: 81101500, 81101502, 81101510, 81101523, 81101527, 81101528, 81102200, 81102500

Certification Number: WOSB231871

Renewal Date: November 9, 2025

WOSB Regulation Expiration Date: 11/09/2026


Nancy Allen, Women's Business Enterprise Council Florida President & CEO


Pamela Prince-Easton, WBENC President & CEO


Lakesha White, Sr. Vice President, Certification

DELTA CONSULTANTS M/WBE CERTIFICATES (CONTINUED)

 <p>Internal Services Department Small Business Development 111 NW 1st Street, 10th Floor Miami, Florida 33128 T 305-375-3111 F 305-375-3110</p> <p>April 17, 2023</p> <p>MARIANA EVORA Delta Consultants LLC 4841 NW 1st Ave MIAMI, FL 33127</p> <p>Approval Date: April 17, 2023 Small Business Enterprise - Architectural & Engineering (SBE-A&E) Expiration Date: April 30, 2026</p> <p>Dear MARIANA EVORA,</p> <p>Miami-Dade County Small Business Development (SBD), a division of the Internal Services Department (ISD), has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Miami-Dade County Small Business Enterprise. The Small Business Enterprise (SBE) programs are governed by Sections 2-8.1.1.1; 2-8.1.1.1.2; 2-10.4.01; 10-33.02 of Miami-Dade County's Codes. This Small Business Enterprise - Architectural & Engineering (SBE-A&E) certification is valid for three (3) years. However, to validate continuing eligibility, SBD may conduct random audit(s) within the three (3) year certification period. Failure to provide required documentation for a random audit will initiate the decertification process.</p> <p>At the time of expiration, your firm will submit a Re-certification Application at least one hundred and eighty (180) days, but not less than, ninety (90) days, prior to the end of the three (3) year certification term via the County's web-based system, Business Management Workforce System (BMWS). This will ensure sufficient time for process by SBD. Failure to provide the re-certification application and required supporting documentation will initiate the decertification process.</p> <p>If at any time there is a material or business structure change in the firm including, but not limited to, ownership, officers, director, scope of work being performed, daily operations, affiliation(s) with other businesses or the physical location of the firm, you must notify this office within thirty (30) calendar days of the effective date of the change(s) via the BMWS. Notification should include supporting documentation. You will receive timely instructions from this office as to how you should proceed, if necessary. Failure to notify SBD of any changes may result in immediate action to decertify the firm.</p> <p>This letter will be the only approval notification issued for the duration of your firm's three-year certification. If the firm attains graduation or becomes ineligible during the three-year certification period, you will be properly notified following an administrative process that your firm's certification has been removed pursuant to the code. Your firm's name and tier level will be listed in the directory for all SBE certified firms, which can be accessed through Miami-Dade County's SBD website: https://www.miamidade.gov/global-business/smbusiness/home.page. The categories as listed below affords you the opportunity to bid and participate on contracts with Small Business Enterprise measures.</p> <p>It is strongly recommended that you register your firm as a bidder with Miami-Dade County. To register, you may visit: https://www.miamidade.gov/global-business/procurement/home.page. Thank you for your interest in doing business with Miami-Dade County. If you have any questions or concerns, you may contact our office at 305-375-3111 or via email at sbdcert@miamidade.gov.</p> <p>Sincerely,</p> <p><i>Jeanise Cummings-Labossiere</i> Jeanise Cummings-Labossiere Section Chief, Small Business Development</p> <p>CATEGORIES: (Your firm may bid or participate on contracts only under these categories) MDC-TCC 06-01: WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION MDC-TCC 06-01A: UTILITY TUNNELING FOR WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS MDC-TCC 06-40: WATER AND SEWER TUNNELING AND TUNNELING FACILITIES MDC-TCC 10: STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES MDC-TCC 12: GENERAL MECHANICAL ENGINEERING MDC-TCC 16: GENERAL CIVIL ENGINEERING MDC-TCC 17: ENGINEERING CONSTRUCTION MANAGEMENT NAICS 54133: ENGINEERING SERVICES</p>
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 <p>Internal Services Department Small Business Development 111 NW 1st Street, 10th Floor Miami, Florida 33128 T 305-375-3111 F 305-375-3110</p> <p>April 17, 2023</p> <p>MARIANA EVORA Delta Consultants LLC 4841 NW 1st Ave MIAMI, FL 33127</p> <p>Approval Date: April 17, 2023 Small Business Enterprise - Goods & Services (SBE-G&S) Expiration Date: April 30, 2026</p> <p>Dear MARIANA EVORA,</p> <p>Miami-Dade County Small Business Development (SBD), a division of the Internal Services Department (ISD), has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Miami-Dade County Small Business Enterprise. The Small Business Enterprise (SBE) programs are governed by Sections 2-8.1.1.1; 2-8.1.1.1.2; 2-10.4.01; 10-33.02 of Miami-Dade County's Codes. This Small Business Enterprise - Goods & Services (SBE-G&S) certification is valid for three (3) years. However, to validate continuing eligibility, SBD may conduct random audit(s) within the three (3) year certification period. Failure to provide required documentation for a random audit will initiate the decertification process.</p> <p>At the time of expiration, your firm will submit a Re-certification Application at least one hundred and eighty (180) days, but not less than, ninety (90) days, prior to the end of the three (3) year certification term via the County's web-based system, Business Management Workforce System (BMWS). This will ensure sufficient time for process by SBD. Failure to provide the re-certification application and required supporting documentation will initiate the decertification process.</p> <p>If at any time there is a material or business structure change in the firm including, but not limited to, ownership, officers, director, scope of work being performed, daily operations, affiliation(s) with other businesses or the physical location of the firm, you must notify this office within thirty (30) calendar days of the effective date of the change(s) via the BMWS. Notification should include supporting documentation. You will receive timely instructions from this office as to how you should proceed, if necessary. Failure to notify SBD of any changes may result in immediate action to decertify the firm.</p> <p>This letter will be the only approval notification issued for the duration of your firm's three-year certification. If the firm attains graduation or becomes ineligible during the three-year certification period, you will be properly notified following an administrative process that your firm's certification has been removed pursuant to the code. Your firm's name and tier level will be listed in the directory for all SBE certified firms, which can be accessed through Miami-Dade County's SBD website: https://www.miamidade.gov/global-business/smbusiness/home.page. The categories as listed below affords you the opportunity to bid and participate on contracts with Small Business Enterprise measures.</p> <p>It is strongly recommended that you register your firm as a bidder with Miami-Dade County. To register, you may visit: https://www.miamidade.gov/global-business/procurement/home.page. Thank you for your interest in doing business with Miami-Dade County. If you have any questions or concerns, you may contact our office at 305-375-3111 or via email at sbdcert@miamidade.gov.</p> <p>Sincerely,</p> <p><i>Jeanise Cummings-Labossiere</i> Jeanise Cummings-Labossiere Section Chief, Small Business Development</p> <p>CATEGORIES: (Your firm may bid or participate on contracts only under these categories) NIGP 00740: ENGINEERING SERVICES, NON-LICENSED (NOT OTHERWISE CLASSIFIED); INCLUDING CONSULTING NIGP 00740: ENGINEERING SERVICES, NON-LICENSED (NOT OTHERWISE CLASSIFIED); INCLUDING CONSULTING NIGP 9250: ENGINEERING SERVICES, PROFESSIONAL NIGP 9251: CIVIL ENGINEERING NIGP 9252: ENVIRONMENTAL ENGINEERING NIGP 9253: ENVIRONMENTAL ENGINEERING NIGP 9254: ENGINEERING SERVICES (NOT OTHERWISE CLASSIFIED) NIGP 9255: INSPECTING, STRUCTURAL ENGINEERING NIGP 9256: MECHANICAL ENGINEERING NIGP 9258: STRUCTURAL ENGINEERING NIGP 9452: CONSULTING NIGP 96100: MISCELLANEOUS SERVICES, NO. 1 (NOT OTHERWISE CLASSIFIED)</p>

SECTION 4.2.8

SUB-CONSULTANTS

GREEN DADE, INC. | ELECTRICAL ENGINEERING

Green Dade | Headquartered in Miami, Green Dade is a fully dedicated electrical engineering firm specializing in utility infrastructure and transportation systems. As a Small Business Enterprise headquartered in Miami-Dade County, they are committed to delivering high-quality services to local government entities across South Florida and Puerto Rico. Their expertise across multiple sectors includes power generation, distribution, protection, controls, communication systems and electrical solutions for transportation sector encompassing roadway lighting, signalization, and Intelligent transportation systems improvements for highway and local road corridors.

KEITH | LANDSCAPE ARCHITECTURE / SURVEY / SUE / UTILITY COORDINATION

KEITH | KEITH is a 60+ year old, majority woman owned, transdisciplinary firm, based in Florida delivering a broad range of projects internationally. Based in Florida, KEITH has office locations in Miami-Dade, Broward, Palm Beach, St. Lucie, and Orange counties. KEITH provides surveying and mapping, subsurface utility engineering, planning, civil engineering, transportation engineering, landscape architecture, and construction management services. KEITH has collaborated with more than 75 local governments throughout Florida.

THOMAS GEOTECHNICAL SERVICES | GEOTECHNICAL ENGINEERING

Thomas Geotechnical Services (TGS) | is a consulting geotechnical engineering, construction materials testing and inspections firm with capabilities to provide test borings, engineering analyses and reports, MicroStation plan sheets, laboratory soils testing, and construction engineering inspection services. Our professional team is committed to providing quality, responsive service for sound approaches and professional competence. We pride ourselves in bringing solutions, not problems, to our clients. Additionally, their services include threshold/special inspection and roofing inspection services. Their main office is in West Palm Beach, Florida with branch offices in Jupiter and Fort Lauderdale, Florida.

HML PUBLIC OUTREACH, LLC | PUBLIC INVOLVEMENT

HML Public Outreach, LLC (HML) | Based in Miami Springs, HML has successfully delivered public communications consulting services on more than 250 projects throughout South Florida. They specialize in providing exceptional public outreach and community engagement services for a wide range of transportation infrastructure projects, including roadway design, design-build, and design-bid-build initiatives. Their firm has extensive experience in supporting complex bridge, roadway, and coastal resilience projects, with a particular emphasis on fostering community dialogue and stakeholder engagement throughout the design and construction phases. They have demonstrated expertise in leading public outreach efforts for high-profile projects such as the I-395 Interim Project, MacArthur Causeway Bridge Rehabilitation Project, Julia Tuttle Causeway Bus on Shoulder Project, and 79th Street Causeway Bridge Rehabilitation Project.

DELTA CONSULTANTS | PERMITTING

Delta Consultants, LLC (Delta) | Delta Consultants, LLC (Delta) is a South Florida headquartered civil engineering firm that takes pride in being 100% minority and woman owned. Our professional staff are not only proficient project managers but are also technical subject matter experts that are experienced in the design, permitting, and construction of water, wastewater, stormwater, roadway, and site civil projects. Our team's primary focus is on the seamless execution and delivery of major public infrastructure projects, ensuring that we add value to our clients at every stage.

SECTION 4.2.9

REQUIRED FORMS

SAMPLE INSURANCE CERTIFICATE



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
09/23/2024

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

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

PRODUCER	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122	FAX (A/C. No.): (800) 363-0105
	E-MAIL ADDRESS:	
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED	INSURER A: XL Insurance America Inc	24554
Michael Baker International, Inc. 12740 Gran Bay Parkway West Suite 2110 Jacksonville FL 32258 USA	INSURER B: Allied World Surplus Lines Insurance Co	24319
	INSURER C: Zurich American Ins Co	16535
	INSURER D: American Guarantee & Liability Ins Co	26247
	INSURER E:	
	INSURER F:	

COVERS

CERTIFICATE NUMBER: 570108314239

REVISION NUMBER:

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

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADD'L SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/>		GLO419728103	08/30/2024	08/30/2025	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 SIR/Deductible \$250,000
	GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER: <input type="checkbox"/>					
C	AUTOMOBILE LIABILITY ANY AUTO <input checked="" type="checkbox"/> OWNED <input type="checkbox"/> AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/>		BAP 4197284 03	08/30/2024	08/30/2025	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) Deductible \$100,000
D	UMBRELLA LIAB EXCESS LIAB <input checked="" type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$10,000	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/>	AUC053258206	08/30/2024	08/30/2025	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> Y/N	<input type="checkbox"/> N/A	WC419728203 AOS WC419728503 WI	08/30/2024	08/30/2025	X PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
C	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> N					
C	If yes, describe under DESCRIPTION OF OPERATIONS below					
B	E&O - Professional Liability - Primary		03124806 Claims Made SIR applies per policy terms & conditions	08/30/2024	08/30/2025	Per Claim \$1,000,000 Aggregate \$2,000,000 SIR/Deductible \$200,000

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

Contractual Liability Coverage is included under the General Liability policy. Coverage to include claims for "Products/Completed Operations". RE: MB Project Name: Triplex Pump Station Rehabilitation CER Services, MB Project No. 202679. The City, a Florida municipality, its officials, employees and volunteers are included as Additional Insured in accordance with the policy provisions of the General Liability and Automobile Liability policies. General Liability policy evidenced herein is Primary and Non-Contributory to other insurance available to Additional Insured, but only in accordance with the policy's provisions. A waiver of Subrogation is granted in favor of the City, its officials, employees and volunteers in accordance with the policy provisions of the Workers' Compensation policy. Umbrella Liability policy is follow form of the policies evidenced

CERTIFICATE HOLDER

CANCELLATION

City of Fort Lauderdale 101 NE 3rd Avenue, Suite 1650 Fort Lauderdale FL 33301 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Michael Baker International</i>

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The ACORD name and logo are registered marks of ACORD

Holder Identifier :

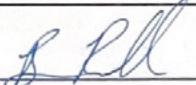
Certificate No : 570108314239

AFFIDAVIT OF COMPLIANCE WITH FOREIGN ENTITY LAWS
(Florida Statute- §287.138, 692.201, 692.202, 692.203, and 692.204)

The undersigned, on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Entity is not owned by the government of a foreign country of concern as defined in Section 287.138, Florida Statutes. (Source:§ 287.138(2)(a), Florida Statutes)
2. The government of a foreign country of concern does not have a controlling interest in Entity. (Source:§ 287.138(2)(b), Florida Statutes)
3. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern. (Source: § 287.138(2)(c), Florida Statutes)
4. Entity is not owned or controlled by the government of a foreign country of concern, as defined in Section 692.201, Florida Statutes. (Source:§ 288.007(2), Florida Statutes)
5. Entity is not a partnership, association, corporation, organization, or other combination of persons organized under the laws of or having its principal place of business in a foreign country of concern, as defined in Section 692.201, Florida Statutes, or a subsidiary of such entity. (Source: § 288.007(2), Florida Statutes)
6. Entity is not a foreign principal, as defined in Section 692.201, Florida Statutes. (Source: § 692.202(5)(a)(i), Florida Statutes)
7. Entity is in compliance with all applicable requirements of Sections 692.202, 692.203, and 692.204, Florida Statutes.
8. **(Only applicable if purchasing real property)** Entity is not a foreign principal prohibited from purchasing the subject real property. Entity is either (a) not a person or entity described in Section 692.204(1)(a), Florida Statutes, or (b) authorized under Section 692.204(2), Florida Statutes, to purchase the subject property. Entity is in compliance with the requirements of Section 692.204, Florida Statutes. (Source:§§ 692.203(6)(a), 692.204(6)(a), Florida Statutes)
9. The undersigned is authorized to execute this affidavit on behalf of Entity.

Name: Brian Russell, PE Title: Office Executive / Vice President Entity: Michael Baker International, Inc.

Signature:  Date: 03/18/2025

NOTARY PUBLIC ACKNOWLEDGEMENT SECTION

STATE OF Florida
COUTY OF Duval

The foregoing instrument was acknowledged before me, by means of physical presence or online notarization, this 19th day of March 2025 by Brian Russell, PE, as

Office Executive / Vice President for Michael Baker International, Inc., who is

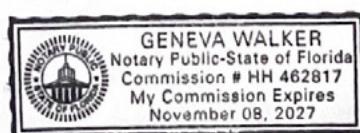
personally known to me or who has produced _____ as identification.

Notary Public Signature: Geneva Walker

(Notary Seal)

Print Name: Geneva Walker

My commission expires: November 08, 2027



CITY OF FORT LAUDERDALE BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder/proposer to ensure that their response is submitted electronically through the [City's on-line strategic sourcing platform](#) prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit <http://www.dos.state.fl.us/>).

Company: (Legal Registration) Michael Baker International, Inc. EIN (Optional): 25-12286388638

Address: 110 East Broward Boulevard, Suite 1700

City: Fort Lauderdale State: Florida Zip: 33301

Telephone No.: 904-380-2507 FAX No.: N/A Email: brussell@mbakerintl.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions):

Total Bid Discount (section 1.05 of General Conditions):

Check box if your firm qualifies for DBE (section 1.09 of General Conditions):

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

<u>Addendum No.</u>	<u>Date Issued</u>						
1	2/27/2025						
2	2/27/2025						

VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A.

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Brian Russell, PE

Name (printed)

03/27/2025

Date

It shall not apply to claims for this competitive solicitation.

Signature

Office Executive / Vice President

Title



City of Fort Lauderdale • Procurement Services Division
101 NE 3rd Avenue, 1650 • Fort Lauderdale, Florida 33301
954-828-5933 Fax 954-828-5576
purchase@fortlauderdale.gov

ADDENDUM NO. 1

ITB No. 423

TITLE: BRIDGE DESIGN AND MISCELLANEOUS STRUCTURAL ENGINEERING SERVICES

ISSUED: FEBRUARY 27, 2025

This addendum is being issued to make the following change (s):

- Revision of Section 12.9 of the Sample agreement

CHANGE FROM

12.9 INDEMNIFICATION OF CITY

~~12.9.1 CONSULTANT shall indemnify and hold harmless CITY, its officers and employees, from liabilities, damages, losses, and costs, including but not limited to reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentional misconduct of CONSULTANT and persons employed or utilized by CONSULTANT in the performance of this Agreement. These indemnifications shall survive the term of this Agreement. In the event that any action or proceeding is brought against CITY by reason of any such claim or demand, CONSULTANT, shall, upon written notice from CITY, resist and defend such action or proceeding by counsel approved by the CITY.~~

~~12.9.2 To the extent considered necessary by Contract Administrator and CITY, any sums due the CONSULTANT under this Agreement may be retained by CITY until all of the CITY's claims for indemnification pursuant to this Agreement have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by CITY.~~

~~12.9.3 The Indemnification provided above shall obligate CONSULTANT to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at CITY's option, any and all claims of liability and all suits and actions of every name and description covered by Section 11.9.1 above that may be brought against CITY whether performed by CONSULTANT, or persons employed or utilized by CONSULTANT. CHECK THIS~~



City of Fort Lauderdale • Procurement Services Division
101 NE 3rd Avenue, 1650 • Fort Lauderdale, Florida 33301
954-828-5933 Fax 954-828-5576
purchase@fortlauderdale.gov

CHANGED TO

12.9 INDEMNIFICATION OF CITY

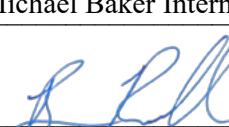
12.9.1 CONSULTANT shall indemnify and hold harmless CITY, its officers and employees, its elected and appointed officials, and its agents, from all liabilities, damages, losses, and costs, including but not limited to reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentional misconduct of CONSULTANT and any persons employed or utilized by CONSULTANT in the performance of this Agreement, and any associated Task Orders or Work Authorization. These indemnifications shall survive the term of this Agreement. In the event that any action or proceeding is brought against CITY by reason of any such claim or demand, CONSULTANT shall, upon written notice from CITY, resist and defend such action or proceeding by counsel approved by the CITY.

12.9.2 To the extent considered necessary by Contract Administrator and CITY, any sums due the CONSULTANT under this Agreement may be retained by CITY until all of the CITY's claims for indemnification pursuant to this Agreement have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by CITY.

All other terms, conditions, and specifications remain unchanged.

Yesenia Pascual
Sr. Procurement Specialist

Company Name: Michael Baker International, Inc.
(please print)

Bidder's Signature: 

Date: 03/27/2025



City of Fort Lauderdale • Procurement Services Division
101 NE 3rd Avenue, 1650 • Fort Lauderdale, Florida 33301
954-828-5933 Fax 954-828-5576
purchase@fortlauderdale.gov

ADDENDUM NO. 2

ITB No. 423

TITLE: BRIDGE DESIGN AND MISCELLANEOUS STRUCTURAL ENGINEERING SERVICES

ISSUED: FEBRUARY 27, 2025

This addendum is being issued to make the following change (s):

- The opening date has been changed to March 27th, 2025, at 2:00 PM.
- Q & A Close date has changed to March 20th, 2025, at 5:00 PM.

All other terms, conditions, and specifications remain unchanged.

Yesenia Pascual
Sr. Procurement Specialist

Company Name: Michael Baker International, Inc.

(please print)

Bidder's Signature:

Date: 03/27/2025



CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept the credit card or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below, you agree with these terms.

Please indicate which credit card payment you prefer:

MasterCard

Visa

Michael Baker International, Inc.

Company Name

Brian Russell, PE

Name (Printed)

Office Executive / Vice President

Title

A handwritten signature in blue ink that reads "B. Russell".

Signature

03/27/2025

Date

E-VERIFY AFFIRMATION STATEMENT

RFP/Bid /Contract No: RFQ/Event# 423

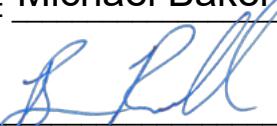
Project Description: Bridge Design and Miscellaneous Structural Engineering Services, Continuing Services Contract

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- (a) all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- (b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: Michael Baker International, Inc.

Authorized Company Person's Signature: 

Authorized Company Person's Title: Office Executive / Vice President

Date: 03/27/2025



NON-COLLUSION STATEMENT

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g., ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents, and children) are also prohibited from contracting with the City subject to the same general rules.

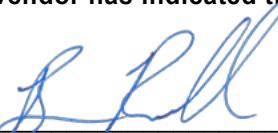
Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

NAME

RELATIONSHIPS

Brian Russell, PE

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.



Authorized Signature

Brian Russell, PE

Name (Printed)

Office Executive / Vice President

Title

03/27/2025

Date



**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-17(a)(i)(ii), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

A. Contractors doing business with the City shall not discriminate against their employees based on the employee's race, color, religion, gender (including identity or expression), marital status, sexual orientation, national origin, age, disability, or any other protected classification as defined by applicable law.

Contracts. Every Contract exceeding \$100,000, or otherwise exempt from this section shall contain language that obligates the Contractor to comply with the applicable provisions of this section.

The Contract shall include provisions for the following:

- (i) The Contractor certifies and represents that it will comply with this section during the entire term of the contract.
- (ii) The failure of the Contractor to comply with this section shall be deemed to be a material breach of the contract, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.

A blue ink signature of Brian Russell.

Authorized Signature

Brian Russell, PE | Office Executive / Vice President

Print Name and Title

03/27/2025

Date

QUESTIONNAIRE SHEET

PLEASE PRINT OR TYPE:

Firm Name: Michael Baker International, Inc.

President Brian Lutes

Business Address:

110 East Broward Boulevard, Suite 1700, Fort Lauderdale, FL 33301

Telephone: 904-380-2507

Fax:

N/A

E-Mail Address:

brussell@mbakerintl.com

What was the last project of this nature which you completed? Include the year, description, and contract value.

SR 5 U US 1 NB Bridge Replacement Over Turnbull Creek - Please see Section 4.2.3.

The following are named as three corporations and representatives of those corporations for which you have performed work similar to that required by this contract, and which the City may contact as your references (include addresses, telephone numbers and e-mail addresses). Include the project name, year, description, and contract value.

Please see Section 4.2.6 References.

How many years has your organization been in business? 85

Have you ever failed to complete work awarded to you; if so, where and why?

No

The name of the qualifying agent for the firm and his position is: Brian Russell, PE

Certificate of Competency Number of Qualifying Agent: Professional Engineer

Effective Date: August 21, 2009 Expiration Date: February 28, 2027

Licensed in: Florida

Engineering Contractor's License # PE70205
(County/State)

Expiration Date: February 28, 2027

NOTE: To be considered for award of this contract, the bidder must submit a financial statement upon request.

NOTE: Contractor must have proper licensing and shall provide copy of same with his proposal.

QUESTIONNAIRE SHEET

1. Have you personally inspected the proposed work and have you a complete plan for its performance?

Yes, the plan is detailed in Section 4.2.5 Approach to Scope of Work.

2. Will you sublet any part of this work? If so, list the portions or specialties of the work that you will.

a) KEITH - Landscape Architecture/Topographic Survey/SUE

b) Thomas Geotechnical Services - Geotechnical/Survey

c) Green Dade - Electrical

d) Delta Consulting - Permitting

e) HLM Public Outreach - Public Involvement

f)

g)

3. What equipment do you own that is available for the work?

LiDAR and UAS are available but not expected to be used.

4. What equipment will you purchase for the proposed work?

N/A

5. What equipment will you rent for the proposed work?

Potentially a boat rental for site reviews and a submeter GPS unit.

2025 FOREIGN PROFIT CORPORATION ANNUAL REPORT

DOCUMENT# 829243

Entity Name: MICHAEL BAKER INTERNATIONAL, INC.**Current Principal Place of Business:**

500 GRANT STREET
SUITE 5400
PITTSBURGH, PA 15219

Current Mailing Address:

100 AIRSIDE DR.
MOON TOWNSHIP, PA 15108 US

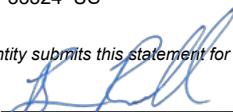
FEI Number: 25-1228638

FILED
Feb 11, 2025
Secretary of State
4801349766CC

Name and Address of Current Registered Agent:

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

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:


Electronic Signature of Registered Agent

03/27/2025
Date**Officer/Director Detail :**

Title	PRESIDENT & CHIEF EXECUTIVE OFFICER	Title	DIRECTOR
Name	LUTES, BRIAN A	Name	TEDDER, JOHN M
Address	500 GRANT STREET SUITE 5400	Address	500 GRANT STREET SUITE 5400
City-State-Zip:	PITTSBURGH PA 15219	City-State-Zip:	PITTSBURGH PA 15219
Title	DIRECTOR	Title	EXECUTIVE VICE PRESIDENT & CHIEF LEGAL OFFICER & SECRETARY
Name	LUTES, BRIAN A	Name	TEDDER, JOHN M
Address	500 GRANT STREET SUITE 5400	Address	500 GRANT STREET SUITE 5400
City-State-Zip:	PITTSBURGH PA 15219	City-State-Zip:	PITTSBURGH PA 15219
Title	VICE PRESIDENT & DIRECTOR - CONTRACTS AND PROCUREMENT, ASSISTANT SECRETARY	Title	SENIOR VICE PRESIDENT & REGIONAL DIRECTOR
Name	RAYMOND, SHRIFT	Name	MONTGOMERY, THOMAS
Address	500 GRANT STREET SUITE 5400	Address	420 TECHNOLOGY PKWY, SUITE 150
City-State-Zip:	PITTSBURGH PA 15219	City-State-Zip:	NORCROSS GA 30092
Title	VICE PRESIDENT & OFFICE EXECUTIVE	Title	VICE PRESIDENT & OFFICE EXECUTIVE
Name	RUSSELL, BRIAN	Name	PITCHFORD, ROBERT MARK
Address	12740 GRAN BAY PARKWAY WEST, SUITE 2110	Address	4010 WEST BOY SCOUT BLVD. SUITE 400
City-State-Zip:	JACKSONVILLE FL 32258	City-State-Zip:	TAMPA FL 33607

Continues on page 2

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: RAYMOND G. SHRIFT

VICE PRESIDENT &
DIRECTOR, CONTRACTS
AND PROCUREMENT &
ASSISTANT SECRETARY

02/11/2025

Electronic Signature of Signing Officer/Director Detail

Date

Officer/Director Detail Continued :

Title	VICE PRESIDENT & OFFICE MANAGER	Title	ASSOCIATE VICE PRESIDENT & OFFICE MANAGER
Name	ROBERTS, JEFFREY	Name	SNEAD, PAUL
Address	2316 KILLEARN CENTER BOULEVARD, SUITE 201 -A	Address	200 SOUTH ORANGE AVENUE, SUITE 1050
City-State-Zip:	TALLAHASSEE FL 32309	City-State-Zip:	ORLANDO FL 32801
Title	VICE PRESIDENT & VP, SSC & TREASURER	Title	DIRECTOR
Name	BELL, JILL	Name	KOCH, JAMES E
Address	500 GRANT STREET SUITE 5400	Address	500 GRANT STREET SUITE 5400
City-State-Zip:	PITTSBURGH PA 15219	City-State-Zip:	PITTSBURGH PA 15219
Title	VICE PRESIDENT & REGIONAL PRACTICE LEAD - ARCHITECTURE	Title	DIRECTOR
Name	TUDRYN, DAVID BRENDAN	Name	LONG, STEPHANIE
Address	500 ENTERPRISE DRIVE	Address	500 GRANT STREET SUITE 5400
City-State-Zip:	ROCKY HILL CT 06067	City-State-Zip:	PITTSBURGH PA 15219
Title	ASSOCIATE VICE PRESIDENT & DIRECTOR OF TAX		
Name	SMAY, GREGORY		
Address	500 GRANT STREET SUITE 5400		
City-State-Zip:	PITTSBURGH PA 15219		

Michael Baker
INTERNATIONAL

We Make a Difference

MICHAEL BAKER INTERNATIONAL
110 East Broward Boulevard · Suite 1700
Fort Lauderdale, FL 33301



CITY OF FORT LAUDERDALE

SWORN STATEMENT PURSUANT TO SECTION 287.087, FLORIDA STATUTES, ON PREFERENCE TO BUSINESS WITH DRUG-FREE WORK PLACE PROGRAMS

I certify that I have established a Drug Free Work Place program and have complied with the following

- a. Published and distributed to each employee 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 prohibitions.
- b. Required all new employees to undergo laboratory testing as a condition of employment and will require all employees, as a condition of their continued employment, to undergo laboratory testing to detect illegal drug or alcohol use according to Florida Statutes 440.101 and 440.102.
- c. Ensured that applicants with a confirmed positive drug or alcohol screening test result are not considered for employment.
- d. Have tested employees when reasonably suspected of illegal drug or alcohol use.
- e. Ensured that any employee refusing to take a drug or alcohol screening test in violation of the Drug Free Work Place Policy is subject to dismissal for failure to abide by the provisions of the Policy.
- f. Informed employees about the dangers of drug abuse in the workplace, the business' policy of maintain 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.
- g. In the statement specified in subparagraph a, notified the employees that, as a condition of their employment, the employee will abide by the terms of the statement and will notify their employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or of any state, for a violation occurring in the workplace no later than 5 days after such conviction.

- h. Have required all employees to sign a copy of this statement of compliance acknowledging their understanding and agreeing to abide with the requirements of the Drug Work Place Policy.
- i. Will 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.
- j. Am making a good faith effort to continue to maintain a Drug Free Work Place through implementation of this document.

BY: 

DATE: 06/30/2025

NAME (Printed) Brian Russell, PE TITLE: Office Executive / Vice President

COMPANY NAME: Michael Baker International, Inc.

Affix Company Seal

