RFQ-327-25-WV

CITY OF HOLLYWOOD

Various Locations/Sheridan Park
LAP Project *(Re-Bid)*

July 10, 2025

HBC Engineering Company
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Tab B

Executive Summary

B. EXECUTIVE SUMMARY

Each Proposer must submit an executive summary that identifies the business entity, its background, main office(s), and office location that will service this contract. Identify the officers, principals, supervisory staff and key individuals who will be directly involved with the work and their office locations. The executive summary should also summarize the key elements of the SOQ.

HBC Engineering Company (HBC) is pleased to submit our qualifications in response to **RFQ 327-25-WV for Professional Engineering Design Services for the City of Hollywood – Various Locations / Sheridan Park LAP Project (Re-Bid).** We understand the importance of this project in delivering a safe, ADA-compliant sidewalk network and advancing the City's commitment to Complete Streets, walkability, and neighborhood connectivity. Our team is fully prepared to deliver LAP-compliant design services in accordance with FDOT requirements and the City's schedule, leveraging our proven success on federally funded pedestrian and multimodal infrastructure projects across South Florida. HBC brings deep experience with sidewalk and shared-use path design, ADA curb ramps, and LAP coordination, and we are committed to serving as a reliable, long-term partner to the City in its efforts to enhance mobility and resilience in the Sheridan Park and Hollywood Acres neighborhoods.

HBC is prequalified by the Florida Department of Transportation (FDOT) in Work Type **3.1 – Minor Highway Design.** To support the surveying needs, **GPI Geospatial, Inc. (GPI)** will supplement our team with FDOT prequalification in Work Type **8.2 – Design, Right of Way & Construction Surveying.**

GPI is a subsidiary of Greenman-Pedersen, Inc., and leading provider of advanced surveying and mapping services with over 50 years of experience. Licensed in 34 states and headquartered in Orlando, GPI delivers high-precision geospatial solutions using cutting-edge aerial, mobile, and hydrographic technologies. Their team of certified professionals supports transportation, infrastructure, and development projects across the public and private sectors throughout the eastern United States.

HBC and GPI have cultivated a long-standing partnership built on mutual trust, aligned values, and a shared commitment to quality. Over the past decade, our firms have collaborated on a multitude of successful infrastructure and transportation projects across South Florida, including LAP-funded and FDOT-assigned contracts. This trusted relationship is rooted in consistent communication, technical synergy, and a deep understanding of each firm's strengths—allowing us to operate as a seamless, integrated team. Clients can rely on our partnership to deliver accurate, timely, and fully coordinated survey and design deliverables that meet all local and state requirements.

To support the successful delivery of this LAP-funded project, HBC has assembled a specialized team of subconsultants aligned with the City's needs. **Janus Research, Inc.,** will manage cultural resource evaluations, including Section 106 and SHPO coordination. **KCI Technologies, Inc.,** will support

Firm Background

Founded in 2006, HBC is a Florida-based multidisciplinary engineering consulting firm with over 80 engineers and technicians specializing in planning, design, and construction inspection services for civil, structural, transportation, and water resources-related engineering projects.

HBC has successfully delivered similar services for clients such as Florida Department of Transportation (FDOT), Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Miami-Dade County Water and Sewer Department (MDC-WASD), PortMiami, Palm Beach County Water Utilities Department (PBC-WUD), Broward County, Florida's Turnpike Enterprise (FTE), Greater Miami Expressway (GMX), and the Puerto Rico Aqueduct and Sewer Authority (PRASA) including a LAP funded FDOT project in the City of Hollywood providing 7.5 miles of new sidewalk.

HBC is certified as a DBE, MBE, and SBE.

landscaping design. **Media Relations Group, LLC,** a woman-owned firm with LAP experience, will lead public involvement and stakeholder outreach. **Pacifica Engineering Services, LLC,** a DBE/SBE/MBE firm, will provide geotechnical services and permitting support. **Resource Environmental Solutions, LLC,** will lead NEPA documentation and environmental permitting. This team brings targeted expertise to ensure compliance, coordination, and successful project execution.

Main Office(s) and Service Location

HBC is headquartered at 9675 NW 117th Avenue, Suite 305, Miami, FL 33178. We operate multiple regional offices across South Florida, including our Broward County branch located at **5200 NW 33rd Avenue, Suite 211, Fort Lauderdale, FL 33309.** This Fort Lauderdale office will serve as the primary location for the Sheridan Park Sidewalk Improvements Project. Located just **minutes from Hollywood City Hall,** the office ensures direct accessibility to the project site, allowing for efficient coordination with City staff, rapid mobilization, and timely response throughout the project lifecycle.

Officers and Principals of the Firm

Officers:

- Adebayo Coker, PE – Principal-in-Charge
- Edgar Diaz, MS, PE, PSM – Vice President
- Happiness Coker – Assistant Treasurer

Principals:

- Hernan Lugo, MS, PE, CFM
- Jose Lopez, PE
- Orlando Penate, PE, EE, IMSA II
- Fernando Craveiro, PhD

Firm Expertise

HBC has extensive experience in delivering LAP-funded sidewalk infrastructure and Complete Streets projects throughout South Florida. Our team has successfully designed and supported the implementation of federally funded pedestrian and multimodal enhancements for municipalities of varying sizes, including projects administered under the FDOT LAP and the Broward MPO's Complete Streets and Other Localized Initiatives (CSLIP) programs.

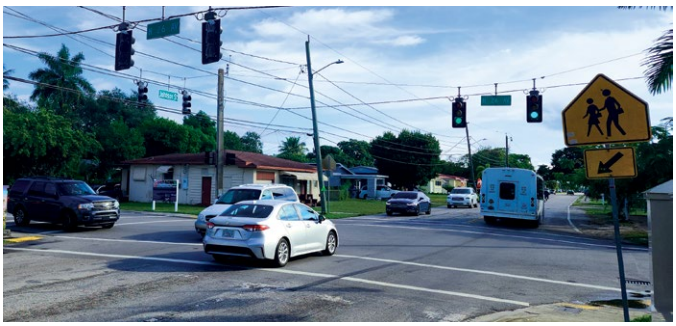
Our **sidewalk and Complete Streets** portfolio includes ADA-compliant corridor improvements, pedestrian lighting, context-sensitive streetscapes, and integrated bike-pedestrian facilities. We have delivered these improvements on aggressive timelines while maintaining full regulatory compliance, helping local agencies advance their mobility, safety, and accessibility goals through sustainable and buildable designs.

We have recently completed
over 30 Complete Streets
projects in South Florida.

We are highly familiar with the procedural and technical requirements associated with **LAP projects**—from early coordination and NEPA compliance to utility conflict resolution, milestone submittals, and reimbursement documentation. HBC uses internal LAP checklists, QA/QC protocols, and detailed schedule controls to ensure alignment with FDOT District expectations and federal eligibility standards.

Selected Experience

Hollywood Gardens Sidewalk Project – Broward MPO CSLIP Program: HBC provided engineering design for a network of sidewalks and bicycle facilities within the "Hollywood Big X" neighborhood. The project included utility coordination, drainage adjustments, ADA-compliant crossings, and intersection lighting upgrades.



Johnson Street Complete Streets PD&E Study – City of Hollywood: HBC is leading this LAP-funded PD&E study to improve pedestrian and multimodal infrastructure along Johnson Street. The

scope includes sidewalk connectivity, transit stop integration, ADA compliance, and the development of a comprehensive drainage system—all within the existing ROW.

SR-7/US-441 Transit Corridor Improvements – FDOT District 4: HBC is serving as the design lead for pedestrian and shared-use path enhancements along SR-7/US-441 between Orange Drive and NW 31st Avenue. This LAP project includes new sidewalks, ADA ramps, pedestrian signal upgrades, enhanced lighting, and landscape improvements.

Cherry Road Pedestrian & Sidewalk Improvements – Palm Beach County: HBC provided CEI services for this LAP-funded project, which included new sidewalk construction on both sides of the corridor, roadway widening, pedestrian lighting, ADA ramps, and pavement resurfacing.

Subconsultant Team

To ensure a fully integrated and technically capable project team, HBC has assembled six specialized subconsultants with direct experience in LAP-funded and FDOT-compliant infrastructure projects:

GPI Geospatial, Inc. (GPI)

GPI will provide topographic and boundary surveys using advanced LiDAR, photogrammetry, and mobile mapping. Their precision and responsiveness will support early design accuracy and FDOT submittal requirements.

Janus Research, Inc. (JAN)

As cultural resource specialists, JRI will manage all required Section 106 documentation and SHPO coordination. Their deep familiarity with FDOT's Programmatic Agreement ensures timely, compliant cultural assessments.

KCI Technologies, Inc. (KCI)

KCI brings landscaping, roadway lighting, and utility coordination expertise. Their Florida-based team will support design integration and schedule adherence for beautification and electrical elements.

Media Relations Group, LLC (MRG)

A woman-owned public involvement firm with LAP and Broward County experience, MRG will lead stakeholder outreach and engagement, ensuring transparent and inclusive community communication throughout the project.

Pacifica Engineering Services, LLC (PES)

A DBE/SBE/MBE geotechnical engineering firm, PES will support permitting, foundation assessments, and construction-phase readiness with regionally based technical staff.

Resource Environmental Solutions, LLC (RES)

RES will lead NEPA and environmental permitting, leveraging strong agency relationships and expertise in ecological assessments to support smooth environmental clearance and regulatory compliance

Together, these firms provide targeted support across surveying, environmental review, public engagement, utility coordination, and technical design—bolstering HBC's ability to deliver a timely, high-quality, and LAP-compliant sidewalk improvement project for the City of Hollywood.

Key Personnel

HBC Project Manager:
Hernan Lugo, MS, PE, CFM – A Trusted Leader in LAP & Sidewalk Design

HBC proposes **Hernan Lugo, MS, PE, CFM,** as Project Manager. Hernan brings 27 years of experience in civil engineering and a proven track record managing LAP-

funded and FDOT-reviewed infrastructure projects. His expertise spans sidewalk design, ADA compliance, drainage improvements, NEPA documentation, cultural resource coordination, and permitting. Notable projects under his leadership include the **SR-7/US-441 Transit Corridor Improvements, Hollywood Gardens Sidewalk Project,** and **SR-817/ University Drive from Nova Dr to SR-84**—each requiring coordination with multiple agencies and adherence to LAP and federal funding protocols.

As a licensed PE in Florida and Texas, Certified Floodplain Manager, and Florida Certified Building Contractor, Hernan offers the multidisciplinary perspective needed for this role. His structured, compliance-driven approach ensures timely delivery, accurate documentation, and seamless coordination with City staff, FDOT District 4, subconsultants, and regulatory agencies. Hernan is well-positioned to provide the City of Hollywood with responsive, technically sound leadership for the Sheridan Park LAP Sidewalk Improvements Project.

Team Key Personnel

- **Adebayo Coker, PE** – Principal-in-Charge; PD&E Studies: A 33-year veteran in PD&E and LAP-funded projects, including recent Complete Streets efforts in Hollywood.
- **Jose Lopez, PE** – Highway Design Lead (FDOT 3.1): Expert in roadway design and signalization with 20 years of experience. Jose ensures alignment with FDOT standards and serves as Engineer of Record on minor highway design elements.
- **Frank Paruas, PSM** – Surveying & Mapping Lead (FDOT 8.2): With 24 years of surveying experience, Frank leads topographic, LiDAR, and ROW surveys. His precision ensures accurate base data critical to LAP project documentation and submittals.
- **Edgar Diaz, MS, PE, PSM** – Quality Assurance/ Quality Control Lead: Over 37 years of experience in QA/QC for public infrastructure projects across South Florida.

This core team will be supported by specialists covering all required disciplines, including environmental science and NEPA permitting **(Nadia Locke, PE)**, cultural resource assessments **(Kenneth Hardin, MA),** ADA compliance and civil design **(Claudia Bustamante, PE),** LAP documentation and constructability reviews **(Christopher Soto, PE),** GIS mapping and environmental data integration **(Julia Beliz, EI),** and permit coordination and MOT planning **(Teodoro Tefel, PE)**—ensuring full alignment with FDOT Work Types 3.1, and 8.2.

The table below provides a comprehensive list of the staff involved on this contract and their office location.

TABLE 01: Staff List with Availability and Office Location

Staff Name	Firm	Role	Avail. %	Office Location
Adebayo Coker, PE	HBC	Principal in Charge / PD&E Studies	80%	Ft. Lauderdale, FL
Hernan Lugo, MS, PE, CFM	HBC	Project Manager / PD&E / Drainage / ADA Compliance	100%	Ft. Lauderdale, FL
Edgar Diaz, MS, PE, PSM	HBC	Quality Assurance / Quality Control	90%	Ft. Lauderdale, FL
Jose Lopez, PE	HBC	Minor Highway Design	75%	Ft. Lauderdale, FL
Osmin Ocon, EI	HBC	Minor Highway Design	90%	Ft. Lauderdale, FL
Claudia Bustamante, MS, PE	HBC	Civil, S&PM and Channelization	75%	Ft. Lauderdale, FL
Ynaja Juste, EI	HBC	Civil, S&PM and Channelization	90%	Ft. Lauderdale, FL

Staff Summary

TABLE 01: Staff List with Availability and Office Location

Staff Name	Firm	Role	Avail. %	Office Location
Juan J. Flores Jr., PhD, AICP	HBC	Transit and Transportation Planning	75%	Ft. Lauderdale, FL
Moatz Saad, PhD, PE, PTOE, IMSA II	HBC	Transit and Transportation / Planning Traffic Engineering & Safety Studies	90%	Ft. Lauderdale, FL
Gonzalo Barrera, PE	HBC	Signalization Engineering	90%	Ft. Lauderdale, FL
Alexander Tzenkov, EI	HBC	Signalization Engineering	90%	Ft. Lauderdale, FL
Orlando Penate, PE, EE, IMSA II	HBC	Lighting & Electrical Engineering	75%	Ft. Lauderdale, FL
Maikel Fiallo, PE	HBC	Lighting & Electrical Engineering	90%	Ft. Lauderdale, FL
Jeremy Braithwaite, IMSA II	HBC	Traffic Engineering	90%	Ft. Lauderdale, FL
Sreelatha Nandivada, MS, PE	HBC	Miscellaneous Structures	75%	Ft. Lauderdale, FL
Bunrith Heng, MS, PE	HBC	Miscellaneous Structures	90%	Ft. Lauderdale, FL
Alejandra Mendoza-Diaz, EI	HBC	Drainage Engineering	90%	Ft. Lauderdale, FL
Teodoro Tefel, PE	HBC	Maintenance of Traffic (MOT)	90%	Ft. Lauderdale, FL
David Coker, EI	HBC	Maintenance of Traffic (MOT)	90%	Ft. Lauderdale, FL
Christopher Soto, PE, RSO	HBC	LAP Compliance / Constructability Review	75%	Ft. Lauderdale, FL
Michael Schawe, IMSA I	HBC	Construction Administration	75%	Ft. Lauderdale, FL
Sonny Abia, PhD, PE	HBC	Utility Coordination	75%	Ft. Lauderdale, FL
Leandro Vazquez	HBC	Utility Coordination	90%	Ft. Lauderdale, FL
Julia Beliz, EI	HBC	GIS Analyst	75%	Ft. Lauderdale, FL
Akash Bommu, MS	HBC	Cost Estimator	75%	Ft. Lauderdale, FL
Melannie Gomez	HBC	Public Involvement	90%	Ft. Lauderdale, FL
Nadia G. Locke, PE, LEEP AP	RES	Environmental and Permitting	75%	Hollywood, FL
Gayle L. Stone, MS	RES	Environmental and Permitting	75%	Hollywood, FL
Kenneth Hardin	JAN	Cultural Resource Assessment Surveys	60%	Tampa, FL
James Pepe	JAN	Cultural Resource Assessment Surveys	80%	Tampa, FL
Amy Streelman	JAN	Cultural Resource Assessment Surveys	90%	Tampa, FL
Wesley C. Foster, PE, SI, MBA	PAC	Geotechnical Engineering	75%	Doral, FL
Reinaldo Villa, MS, PE	PAC	Geotechnical Engineering	90%	Doral, FL
Frank Paruas, PSM	GPI	Surveying and Mapping	75%	Doral, FL
Julio Delgado, PSM	GPI	Surveying and Mapping	90%	Doral, FL

TABLE 01: Staff List with Availability and Office Location

Staff Name	Firm	Role	Avail. %	Office Location
Saul Brand, PSM	GPI	Surveying and Mapping	90%	Doral, FL
Todd Mohler, RLA, ISA, IA	KCI	Landscape Architecture	75%	Ft. Lauderdale, FL
Kirk Hoosac, RLA	KCI	Landscape Architecture	75%	Ft. Lauderdale, FL
Paulette Summers	MRG	Public Involvement	60%	Ft. Lauderdale, FL
Deborah Souverain	MRG	Public Involvement	80%	Ft. Lauderdale, FL
Melany Rodriguez	MRG	Public Involvement	70%	Ft. Lauderdale, FL

Understanding and Execution Strategy

The City of Hollywood seeks **to enhance safety, mobility, and ADA compliance in the Sheridan Park and Hollywood Acres neighborhoods through LAP-funded sidewalk improvements**. This initiative involves closing critical sidewalk gaps, managing drainage impacts, resolving utility conflicts, and ensuring compliance with FDOT and federal documentation requirements.

HBC Engineering Company brings a clear understanding of these objectives, backed by our successful delivery of the 7.5-mile Hollywood Gardens Sidewalk LAP Project under similar regulatory and site conditions. Our team's familiarity with the City's neighborhoods, LAP documentation, and FDOT District 4 protocols allows us to deliver a design that is not only technically sound but also embraced by the community it serves.

Approach to the Project

HBC offers a proven, locally informed approach tailored to the City of Hollywood's LAP-funded sidewalk goals. Our process begins with parcel-level assessments and 3D LiDAR surveys to identify site constraints and utility conflicts early—ensuring constructible, ADA-compliant solutions. The design incorporates drainage improvements, tree preservation, and strategic sidewalk alignment to address ROW and landscaping challenges.

We manage NEPA and CRAS documentation, permitting, and stakeholder coordination with SHPO, FDEP, FDOT, and Broward County, while embedding public engagement through bilingual outreach and resident coordination. By aligning with FDOT's LAP milestone schedule and applying rigorous QA/QC at every phase, we ensure timely delivery and full compliance. Our team also prepares for construction with MOT plans, encroachment mitigation, and seamless transition support through project closeout.

Commitment to the City of Hollywood

HBC is committed to delivering a high-quality, federally compliant sidewalk improvement project that meets the City of Hollywood's goals for safety, accessibility, and community enhancement. Our team will ensure seamless coordination with City staff, FDOT District 4, and local stakeholders, supported by clear communication and a structured project management approach. By proactively addressing permitting, utility conflicts, and public concerns, we will minimize disruptions and maintain schedule integrity. Through accountability, precision, and local knowledge, HBC is dedicated to providing durable, context-sensitive infrastructure that brings long-term value to the residents of Sheridan Park and Hollywood Acres.

Delivering LAP-Certified Design Excellence from Concept Through Construction

HBC's specialized expertise in delivering LAP-funded pedestrian and multimodal infrastructure projects positions us to bring lasting value to the City of Hollywood through the Sheridan Park Improvements. Our proven approach focuses on four core success factors that will guide our team from project kickoff through construction: **Design Efficiency, Reliable Delivery, Value-Added Solutions,** and our **Proven Partnership with the City.**

Design Efficiency

As a multidisciplinary team with a strong foundation in FDOT-compliant sidewalk design and LAP documentation, we offer tailored design capabilities for municipal infrastructure ranging from sidewalk and trail construction to ADA improvements, drainage enhancements, and signing and pavement markings. Our team understands the importance of designing facilities that are not only compliant but safe, accessible, and context-sensitive to the neighborhood character of Sheridan Park. All design efforts will meet federal, state, and local criteria while also reflecting the City's Complete Streets values.

Reliable Delivery

Our LAP-experienced staff has successfully delivered similar federally funded projects under constrained timelines and regulatory oversight. Our engineers and environmental professionals are familiar with FDOT's Phase Submittal process and LAP requirements, including NEPA documentation and cultural resource coordination. We will maintain consistent communication with the City and FDOT District 4 to ensure timely submittals, approvals, and support through construction. This project is a top priority and will be managed by a team already familiar with similar City of Hollywood efforts.

Value-Added Solutions

Over the years, we have supported dozens of municipalities in South Florida—including Hollywood, Pembroke Pines, and Fort Lauderdale—on projects involving sidewalk design, public engagement, NEPA documentation, utility coordination, and construction-phase support. This familiarity helps us anticipate permitting needs, resolve utility conflicts early, and tailor our design to reduce downstream changes. We aim to deliver a design that is not only LAP-compliant but also ready for construction with minimal risk.

Why HBC?

- We understand the LAP process and the specific documentation, environmental, and design elements required for this contract.
- We have successfully completed sidewalk improvement and trail projects with FDOT and South Florida municipalities, many under federal funding programs.
- Our design team includes LAP-certified professionals with a track record of on-time, budget-sensitive delivery.
- Our firm has longstanding relationships with both the City of Hollywood and FDOT District 4.
- Our project team is well-versed in ADA, MOT, utility coordination, and community-focused design principles.
- We are committed to exceeding the City's Small Business Enterprise (SBE) participation goals.
- Our team structure and staff availability ensure immediate responsiveness and consistent support throughout the life of the project.

Tab C

Firm Qualifications & Experience

C. FIRM QUALIFICATIONS & EXPERIENCE

Respondents are to submit a complete information and documentation that demonstrates their ability to satisfy all of the minimum qualifications and scope of service requirements. Indicate the firm's number of years of experience in providing the professional services as it relates to the work contemplated. Provide details of past projects for agencies of similar size and scope, including information on your firm's ability to meet time requirements. Indicate business structure, IE: Corp., Partnership, and LLC. Firm should be registered as a legal entity in the State of Florida; Company address, phone number, fax number, E-Mail address, web site, contact person(s), etc. Relative size of the firm, including management, technical and support staff; licenses and any other pertinent information shall be submitted.

Consultant shall submit proof of experience for a minimum of three (3) projects of similar scope and scale (or larger) and shall, identify location; dates of construction; project name and overall scope; scope of work that was self-performed by Consultant; and client's name, address, telephone number and e-mail address.

Firm Overview

HBC Engineering Company (HBC) is a Florida-based, multidisciplinary engineering consulting firm offering a comprehensive range of planning, design, and construction inspection services tailored to civil, structural, transportation, and water resources engineering projects. Established in 2006, HBC has consistently catered to municipalities and private-sector clients across Florida, delivering reliable, innovative, and expedited solutions for complex infrastructure needs.

Over nearly two decades, HBC has built a strong reputation for excellence in transportation planning, roadway and sidewalk design, traffic engineering, structural design, and water/wastewater engineering. Our team includes specialists with extensive local experience and familiarity with Florida's unique regulatory landscape. Our focus on high-quality, efficient project delivery has enabled us to meet stringent schedules driven by regulatory agencies, funding cycles, and client timelines.

Our team includes individuals who have worked extensively in Miami-Dade, Broward, and Palm Beach Counties with multiple public entities, including Miami-Dade County (MDC) Department of Transportation and Public Works (DTPW), PortMiami, MDC Water and Sewer Department (WASD), Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise (FTE), Homestead Extension of Florida's Turnpike (HEFT), and Greater Miami Expressway (GMX).

As a minority-owned, certified DBE, MBE, and SBE

Firm Name
HBC Engineering Company

Business Structure
S-Corporation

Date Established
June 15th, 2006

Years in Business
HBC has been in business for **19 years** under the same name and ownership, providing reliable and comprehensive engineering services to both public and private clients throughout Florida.

State of Registration
Florida

firm, we are also committed to promoting diversity within the engineering profession. HBC maintains additional certifications as SBE in Palm Beach County and SBE A/E & G/S, and LDB in Miami-Dade County, further reinforcing our standing as a trusted local partner for public agencies and private clients alike.

Our team's collective expertise spans a variety of disciplines, including transportation engineering, traffic operations, complete streets design, environmental permitting, and construction engineering inspection (CEI). Additionally, HBC has completed numerous successful projects involving roadway, sidewalk, and park design, stormwater management, landscape architecture, and transit planning, with consistently high client satisfaction ratings. This breadth of in-house capabilities allows us to offer a seamless, integrated approach to every project.

One of the qualities that sets HBC apart is our dedication to providing both the resources of a well-established firm and the personalized attention of a focused, client-centered team. Our minority-owned status and local roots further distinguish us, enabling HBC to deliver cost-effective, innovative engineering solutions, while fostering meaningful community relationships.

*Refer to **page 60** for a copy of our registration.*

Professional License
Florida Professional Engineering Certificate of Authorization No. 27160

*Refer to **page 60** for a copy of our Professional License.*

Company Contact Information
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Branch Office Locations

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Fort Lauderdale, FL 33309

Boca Raton
123 NW 13th Street
Suite 308
Boca Raton, FL 33432

Maitland
2700 Westhall Lane
Suite 225
Maitland, FL 32751

Subsidiaries/Affiliates
HBC operates HBC Engineering, PSC, based in San Juan, Puerto Rico. Through this office location, we expand our capacity to deliver engineering services.

Primary Point of Contact
Hernan Lugo, MS, PE, CFM
Project Manager
(305) 232-7932
hlugo@hbcengineeringco.com

Kindly ensure that the following email address is copied on all communications: proposals@hbcengineeringco.com.

Complete Streets and Sidewalk Experts

Complete streets design are foundational strengths of HBC's practice. Our team has extensive experience delivering complex transportation and complete streets projects that adhere to FDOT standards and meet the rigorous demands of Florida's evolving infrastructure needs. HBC's engineers are highly skilled in urban and rural roadway design, traffic control, drainage solutions, and complete streets initiatives, allowing us to create safe, functional, and efficient corridors for diverse communities across the state.

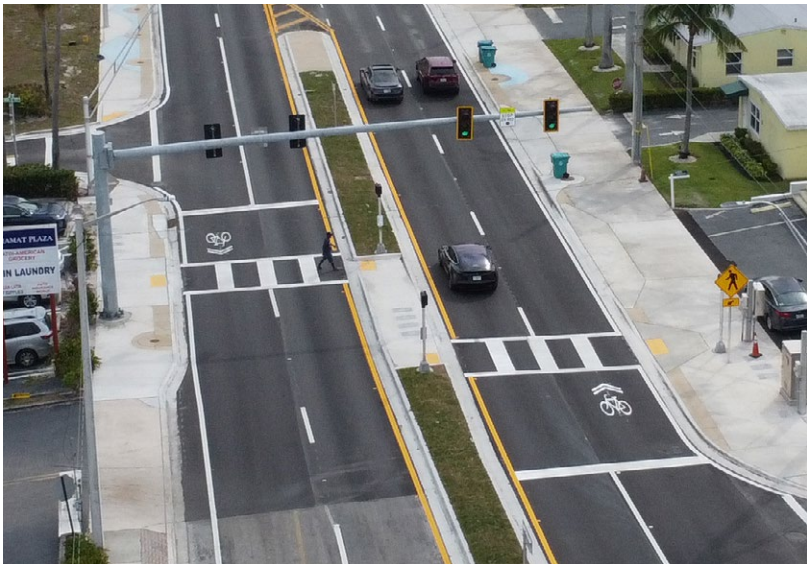
HBC is recognized for our commitment to high-quality, buildable designs and our proactive approach to project management. Our expertise extends to all aspects of complete streets design such as roadway engineering, including traffic analysis, multimodal planning, utility coordination, and regulatory compliance. By leveraging our in-depth knowledge of FDOT protocols and requirements, we streamline the permitting process and maintain strong relationships with regulatory agencies, ensuring smooth project execution.

Our client-focused approach and dedication to technical excellence allow us to deliver resilient and cost-effective infrastructure solutions. HBC's designs prioritize the safety of motorists, pedestrians, and cyclists alike, incorporating innovative features that enhance usability and sustainability. Clients benefit from our ability to manage complex projects from initial design through construction, consistently delivering on time and within budget while meeting the highest standards of quality.

Commitment to Safety

Safety is at the core of HBC's approach to roadway and sidewalk design, with particular attention given to pedestrian crossings, which are critical for protecting those on foot. We develop a range of crossing solutions aimed at maximizing visibility and safety, including raised crosswalks, midblock crossings, and strategic signage. To enhance safety further, we utilize advanced features such as flashing beacons and LED-lit signs, all designed in full compliance with national standards.

In addition, HBC has experience in designing pedestrian-friendly, curbless streetscapes that foster safer, shared spaces for both pedestrians and vehicles. Our commitment to incorporating innovative safety measures ensures that each project contributes to a more secure, accessible transportation environment for all users.



LAP and Federal & State-Funded Projects Experience

HBC applies a proven, compliance-driven approach to Local Agency Program (LAP) projects. With extensive experience delivering federally funded infrastructure, we understand the documentation, permitting, and coordination requirements necessary to meet FDOT and FHWA standards.

Our approach begins with early coordination with the City, FDOT District LAP staff, and utility agencies. We implement internal LAP checklists to manage milestone submittals, documentation protocols, and eligibility for federal reimbursement. Throughout the project, we emphasize:

- Early stakeholder alignment and scoping
- Timely submittals and documentation accuracy
- Integrated utility and permitting coordination
- Compliance with federal environmental and ADA requirements

Christopher Soto, PE, RSO, will serve as our **LAP Compliance Specialist.** He supports coordination with FDOT and ensures all reporting, invoicing, and audit documentation align with federal requirements.

Team Capabilities

With a team of over 322 engineers and technical professionals, the HBC team is well-equipped to support the City of Hollywood with scalable, multidisciplinary services tailored to LAP-funded infrastructure. Our staff is ready to act as an extension of the City's staff, offering integrated support across all phases of delivery.

Comprehensive Discipline Coverage

For the Sheridan Park LAP Improvements, our team includes professionals in the FDOT required disciplines:

- ✓ **3.1 – Minor Highway Design *(HBC)***
- ✓ **8.2 – Design, Right of Way & Construction Surveying *(GPI)***

It also includes specialist in the following categories:

- Civil Engineering – Lead for sidewalk and roadway design, including ADA accessibility *(HBC)*
- ADA Compliance – Ensuring pedestrian elements meet ADA standards *(HBC)*
- LAP Compliance – Overseeing documentation, reimbursement, and FDOT coordination to meet federal funding requirements *(HBC)*
- Permit Coordinator – Managing local and FDEP permitting *(RES)*
- Environmental Science – Responsible for NEPA evaluations and environmental reviews *(RES)*
- Cultural Resource Specialist – To perform CRAS and coordinate with SHPO *(JAN)*
- Landscape Architect – Supporting streetscape enhancements and context-sensitive beautification *(KCI)*
- Transit and Transportation Planning – Supporting multimodal integration and Complete Streets compliance *(HBC)*
- Traffic Engineer – To assess pedestrian flow and impacts at intersections and driveways *(HBC)*
- Utility Coordinator – To resolve underground and overhead utility conflicts during design *(HBC)*
- Miscellaneous Structures Engineer – To address any non-standard structural elements *(HBC)*
- Cost Estimator – For quantity takeoffs and construction cost estimation *(HBC)*
- Construction Administration Engineer – To assist with RFIs, plan updates, and construction support *(HBC)*
- Constructability Reviewer – To evaluate design elements for constructability, risk mitigation, and construction-phase clarity *(HBC)*
- Public Involvement Specialist – To assist with neighborhood and stakeholder engagement *(MRG, HBC)*
- GIS Analyst – For integrating survey, utility, and environmental data *(HBC)*
- Geotechnical Engineer – Available for subsurface investigation, if needed *(PES)*

This multidisciplinary team ensures full support across technical, regulatory, and stakeholder needs—equipping the City of Hollywood with the expertise and capacity to deliver a timely, high-quality, and compliant LAP project from concept to construction.

Ability to Meet Deadlines

HBC has a strong record of delivering LAP, FDOT, and municipal projects on time and within budget. Our project management approach—built on clear scope definition, milestone-driven schedules, and proactive resource planning—ensures we consistently meet client expectations.

We pursue only projects we are fully prepared to deliver. Our team effectively manages concurrent assignments and tight schedules without compromising quality. This disciplined approach ensures we consistently meet deadlines on federally funded and locally administered projects across South Florida.

For the Sheridan Park LAP Improvements, the City of Hollywood can count on HBC's commitment to responsive service, schedule adherence, and the timely delivery of all project components.

HBC Team Awards and Recognitions

American Council of Engineering Companies(ACEC)
2023 Outstanding Project Award- Venetian Causeway Improvements Bridges PD&E Study

American Association of Civil Engineers (ASCE)
2023 Awards & Board Installation Dinner Certificate of Appreciation 2023 - Silver Sponsor of the ASCE

2022 Awards & Board Installation Dinner Certificate of Appreciation 2022 - Silver Sponsor of the ASCE

2024 Engineer of the Year Award - Claudia Bustamante

Cuban American Association of Civil Engineers (CAACE)
2021 Project of the Year Category III Award for the Miami-Dade County Water and Sewer Department (MDC-WASD) Central District Wastewater Treatment Plant (CDWWTP) Oxygen Production Facility

Florida Department of Transportation (FDOT)
2006 Special Achievement Award

2005 Highway Engineering Award

2004 Team Achievement Award - Biscayne Boulevard III

2025 Partnering Award in the Category of Most Collaborative

Florida Transportation Builders' Association (FTBA)
2025 Best in Construction Award in the Category of MOT

Intelligent Transportation Society of Florida
2024 Outstanding Achievement Award - Daniel Rodriguez

The Miami-Dade County Office of the Mayor and Board of County Commissioners
2019 Certificate of Appreciation - Platinum Sponsor of the 6th Annual District 1 Black Heritage Festival

2020 Certificate of Appreciation - Bronze Sponsor of the 7th Annual District 1 Black Heritage Festival

The Nigerian Women Association of Georgia (NWAG)
2023 Sponsor Award

HBC is engineering progress with purpose, precision in motion, built on trust and vision.

Why These Awards Matter

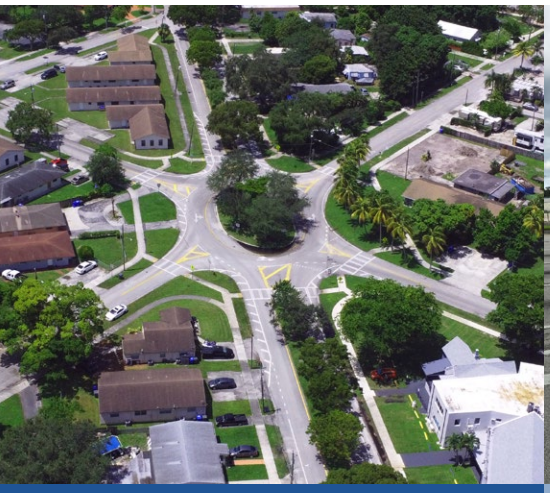
Each award reaffirms our dedication to technical excellence, value-driven solutions, and collaborative relationships. They serve as milestones on our mission to serve clients with integrity and impact.

Let's build something award-winning—together.

Relevant Experience and Past Performance

Within our 19 years of experience providing professional engineering design services, HBC has successfully managed numerous Local Agency Program (LAP) projects and delivered a broad range of municipal roadway improvements—including Complete Streets initiatives, arterial corridor upgrades, and multimodal transportation projects throughout South Florida. We consistently provide infrastructure solutions that meet community needs while adhering to all regulatory requirements.

Three relevant projects that showcase our capabilities are:



Hollywood Gardens Sidewalk Project

SR 7/US 441 Transit Corridor Improvements

SR-820/Pines Boulevard Lighting Design

Our work emphasizes significant contributions to municipal Complete Streets initiatives, pedestrian and cyclist connectivity, and corridor enhancement efforts. These projects incorporated comprehensive design and construction engineering services, including sidewalk design, utility coordination, ADA compliance, pedestrian safety improvements, and enhanced lighting systems. Our collaboration with the Florida Department of Transportation (FDOT), Broward County, and various local municipalities highlights our ability to address a broad spectrum of project requirements, ensuring the integration of safety, accessibility, and community-focused solutions into successful infrastructure outcomes.

TABLE 02: HBC's Complete Streets, Sidewalk, and LAP Project Experience highlights our relevant work with FDOT and Florida municipalities on LAP-funded and Sidewalk/Complete Streets projects, demonstrating our ability to meet deadlines and deliver high-quality results.

TABLE 02: HBC'S Complete Streets, Sidewalk, and LAP Project Experience

Project	Client	S/CS	LAP
PD&E Study at Johnson Street from North 30th Road to North Dixie Highway	City of Hollywood	✓	✓
Beach Corridor Rapid Transit (Miami Connector) PD&E Study	Miami-Dade DTPW		✓
NE Corridor FTA Categorical Exclusion Traffic Analysis	Miami-Dade DTPW		✓
Hollywood Gardens Sidewalk Complete Streets Project	FDOT District 4	✓	✓
Widening of SW 30th Avenue from Griffin Road to SW 45th Street	FDOT District 4	✓	✓

S/CS: Sidewalk/Complete Streets
LAP: Local Agency Program

TABLE 02: HBC'S Complete Streets, Sidewalk, and LAP Project Experience

Project	Client	S/CS	LAP
SR-858 Hallandale Beach Boulevard from SR-7 to Lakeshore Drive	FDOT District 4	✓	
The Hammocks Signage Project	HCA	✓	
SR 7/NW 7th Ave Safety Improvement,	FDOT District 6	✓	
SW 147th Ave/Tree Island Park Rehabilitation,	MDC-DTPW	✓	
SR 7/US 441 Transit Corridor Improvements	FDOT District 4	✓	✓
Lighting Design for SR-820/Pines Boulevard from West of SW 136th Avenue to East of NW 118th Avenue	FDOT District 4	✓	
Design-Build Services for The Underline - Phase II	Miami-Dade DTPW	✓	
Corridor Improvements at SR-817/University Drive from Nova Drive to SR-84	FDOT District 4	✓	
Safe Routes to School	MDCPS	✓	✓
Lighting Photometric Analysis at Boynton Beach Blvd / SR 804 from SR7 to Turnpike	Palm Beach County	✓	✓
Okeechobee Blvd: Turnpike to Military – Palm Beach County	Palm Beach County	✓	✓
Lighting Photometric Analysis at SR 806 / Atlantic Avenue from Turnpike to Military Trail	Palm Beach County	✓	✓
Lighting Photometric Analysis at SR-809/Military Trail from Wadita Ka Way to Okeechobee Boulevard	Palm Beach County	✓	✓
Lighting Photometric Analysis at Boynton Beach Blvd / SR 804 from SR7 to Turnpike	Palm Beach County	✓	✓
Lighting Photometric Analysis at Military Trail from Lake Worth Road to Okeechobee Boulevard	Palm Beach County	✓	✓
Military Trail from Lake Worth Rd to Clint Moore Rd	Palm Beach County	✓	✓
Military Tr (SR 809) - CSA #2023825-103	Palm Beach County	✓	✓
Okeechobee Blvd - CSA#3_2022825-004	Palm Beach County	✓	✓
Okeechobee Boulevard (SR 704) (SR 7 to Turnpike)Lighting Photometric Analysis	Palm Beach County	✓	✓
Palm Beach Lakes Boulevard over Florida East Coast (FEC) Railroad, bridge widening and rehabilitation	Palm Beach County	✓	✓
Seminole Blvd from Oswego Ave to Okeechobee Blvd, Multi-Use Trail & Pedestrian Lighting Project	Palm Beach County	✓	✓
SR 7 North of Glades Rd to C-39 just north of Clint Moore Rd – Palm Beach County	Palm Beach County	✓	✓
Widening of Boca Rio Road from Palmetto Park Road to Glades Road	Palm Beach County	✓	✓
Venetian Causeway Lighting Design	FDOT District 6		✓
CEI Services along SR-804/Boynton Beach Boulevard	FDOT District 4	✓	
CEI Services for Belvedere Heights Phase 1 and Phase 2 Sidewalks and Streetlights	Palm Beach County	✓	✓
CEI Services for Seminole Boulevard Multi-Use Trail and Pedestrian Lighting Project	Palm Beach County	✓	✓
CEI Services for Wabasso Drive over LWDD L-2 Canal Bridge Replacement Project	Palm Beach County	✓	✓
CEI Services for Cherry Road from Military Trail to Quail Drive	Palm Beach County	✓	✓

S/CS: Sidewalk/Complete Streets
LAP: Local Agency Program

Past Performance

As shown on **Table 03: FDOT Grades History Report** HBC consistently earns excellent performance ratings from FDOT, demonstrating our commitment to quality, regulatory compliance, and client satisfaction on LAP and municipal contracts.

TABLE 03: FDOT Grades History Report

Work Group	Description	Average
Group 2	Project Development Environmental (PDE) Studies	4.1
Group 3	Minor and Major Highway Design	3.9
Group 6	Traffic and ITS Engineering and Studies	4.1
Group 10	Construction Engineering and Inspections (CEI)	3.6

Hollywood Gardens Sidewalk Complete Streets Project

Florida Department of Transportation (FDOT) District 4

HBC provided design services for this Broward MPO-funded Complete Streets initiative in the Hollywood Gardens Beach area—bounded by Hollywood Boulevard, Johnson Street, SR 7/US 441, and 56th Avenue (the "Hollywood Big X"). The project aimed to enhance multimodal connectivity for pedestrians and cyclists, improve access to neighborhood commercial areas and transit, and implement traffic-calming measures.

HBC prepared construction documents and oversaw the design of an interconnected sidewalk network, designated and shared bicycle lanes, and other infrastructure improvements. The scope included sidewalk and driveway harmonization, repair of damaged sidewalks, minor drainage improvements, utility coordination, intersection lighting upgrades, offsite/on-street parking layout, landscape adjustments, R/W coordination, and permitting. Deliverables included typical sections, drainage structures, roadway plans, SWPPP, and Temporary Traffic Control Plans.

Key design challenges addressed included:

- Resolving conflicts where new sidewalks intersect existing driveways, private landscaping, and encroachments (fencing, parking)
- Installing roadside ditches, French drains, and bioswales for drainage mitigation
- Retrofitting sidewalk-to-road connections with truncated domes or per Index 304

Location
Hollywood, FL

Dates
01/2015 - 01/2019

Budget
HBC Fee: $555K

Construction Cost: $3.5M

Reference
Kenzot Jasmin, PE
(954) 777-4462
kenzot.jasmin
@dot.state.fl.us

Key Components
Sidewalk network design, Bicycle facilities, Drainage improvements, Utility coordination, Lighting upgrades, Parking layout, Landscape adjustments, Right-of-way coordination, Permitting, Construction

- Ensuring all existing median openings remain unchanged
- Restriping 4-foot shared shoulders
- Coordinating with utilities to resolve conflicts with proposed improvements
- Upgrading ADA ramps to comply with current standards

HBC's design approach prioritized community integration, regulatory compliance, and long-term functionality.

This project was completed on time and on budget.

documentation, ADA compliance, Traffic control planning, Community integration.

Relevance to the Scope

1. LAP-Funded Experience
2. Complete Streets Expertise
3. City of Hollywood Familiarity
4. Drainage & ADA Upgrades
5. Comprehensive Design Services

Funded by Local Agency Program (LAP)

PD&E Study at Johnson Street from North 30th Road to North Dixie Highway

City of Hollywood

Funded by Broward County's "Penny for Transportation" initiative, this Project Development and Environment (PD&E) study is focused on transforming Johnson Street in Hollywood, Florida, into a safer, more efficient corridor. As a Complete Streets project, it aims to enhance infrastructure for pedestrians, cyclists, and motorists, improving safety, accessibility, and mobility throughout the area.

The project scope includes the construction of new sidewalks, dedicated bicycle lanes, and traffic-calming measures to enhance pedestrian and cyclist safety. Additional upgrades, such as enhanced crosswalks, new street lighting, and traffic signal improvements, will ensure the corridor meets state and federal safety standards. Drainage improvements are also part of the project, designed to mitigate flooding and improve stormwater management, while landscaping and aesthetic enhancements will beautify the street and surrounding areas.

As part of the PD&E study, HBC is responsible for evaluating selected alternatives to optimize Johnson Street's design. This includes the reconstruction of a 2-lane, 2-way roadway with a center turn lane, installation of new transit bus stops, and development of a comprehensive drainage system within the existing Right of Way (ROW). HBC's role also encompasses conducting a Limited Topographic Survey, extensive data collection, and developing conceptual design alternatives. A critical part

Location
Hollywood, FL

Dates
03/2023 - 07/2023

Budget
HBC Fee: $150K

Reference
Dr. Wazir Ishmael
City Manager
(954) 921-3201
wishmael@hollywoodfl.org

Contract No.
HOLL-038

Key Components
Limited Topographic Survey, Data Collection, Development of Conceptual Design Alternatives, Traffic Analysis of the Alternatives, and Public Involvement Coordination

of the study involves traffic analysis of each alternative and coordinating public involvement to ensure the project aligns with community needs and expectations.

The project's primary goal is to create a safer, more accessible transportation network that accommodates all modes of travel. As a Complete Streets initiative, it promotes walkability and cycling, reducing vehicle dependency and supporting environmental sustainability. Additionally, these improvements are expected to optimize traffic flow, alleviate congestion, and enhance the quality of life for residents, businesses, and commuters.

The Johnson Street project will have a significant impact by fostering safer and more efficient use of public roadways, aligning with Broward County's broader Complete Streets objectives. These improvements are anticipated to increase pedestrian activity, stimulate local businesses, and contribute to a more connected, vibrant community.

This project was completed on time and on budget.

Relevance to the Scope

1. Complete Streets Planning
2. Multimodal Safety Enhancements
3. Drainage and Stormwater Improvements
4. Public Involvement and Traffic Analysis
5. Community Impact and Sustainability

Funded by
Local Agency Program (LAP)

SR-858/Hallandale Beach Boulevard from SR-7/ US-441 to Lakeshore Drive

FDOT District 4

HBC was selected by the Florida Department of Transportation (FDOT) to provide professional engineering design services for the Resurfacing, Restoration, and Rehabilitation (RRR) project along SR-858/Hallandale Beach Boulevard, from east of SR-7/US-441 (MP 0.233) to west of Lakeshore Drive (MP 2.176), for a total project length of approximately 1.943 miles (10,259 feet). Within the project corridor, SR-858 is a divided four-lane urban roadway consisting of two 12-foot-wide travel lanes in each direction, a raised median, 6-foot-wide shoulders (5 feet paved and 1 foot unpaved), and 5-foot-wide sidewalks on both sides.

As the prime consultant, HBC was responsible for the development of the master plan, design criteria package, and preparation of construction documents in accordance with FDOT standards, current design bulletins, and field conditions. The scope of work included pavement milling and resurfacing, ADA-compliant sidewalk and ramp upgrades, widening of the existing shoulder to accommodate a 5-foot-wide paved bicycle lane with a 1-foot-wide unpaved shoulder, and restoration of grass swales in locations that had been overlaid with asphalt and exhibited drainage issues. HBC also performed drainage evaluation and design to address known ponding and improve stormwater conveyance.

Additional elements of the scope included roadway geometry review, typical section development, utility coordination, and preparation of signing and pavement marking plans. The project also required signalization design and replacement at designated intersections to

Location
Hallandale Beach, FL

Dates
2014 - 2015

Budget
HBC Fee: $900K
Construction Cost: $7M

Reference
Jim Hughes, PE
(954) 777-4419
james.hughes@
dot.state.fl.us

Key Components
Design services, resurfacing, ADA and bicycle improvements, drainage upgrades, signal and signage enhancements.

Relevance to the Scope
1. FDOT RRR Design
2. Bicycle & Pedestrian Upgrades

enhance operational efficiency and safety. All work was coordinated closely with FDOT District 4 staff to ensure compliance with project requirements, permitting needs, and constructability standards.

This project was completed on time and on budget.

3. Drainage Evaluation & Design
4. Signalization & Safety Enhancements
5. Utility Coordination & Compliance

SR 7/US 441 Transit Corridor Improvements

Florida Department of Transportation (FDOT) District 4

HBC provided design services for a Transit Corridor Improvements along SR 7/US 441 with the purpose of enhancing the corridor's transit passenger, bicycle and pedestrian experience through mobility as well as safety improvements along SR 7.

HBC was responsible for the design and preparation of overall construction documents based on current design criteria, bulletins and field conditions. Elements included development of CAP, general roadway and drainage reviews, signing and pavement marking, utilities and permit coordination, pedestrian signal and lighting enhancements, sidewalk and bicycle lane and landscaping enhancements.

This contract addressed improvements specified in the following Task Work Orders:

Task 1: SR 7/US 441 from Miami-Dade County Line to North of Sample Road and SR 858/Hallandale Beach Blvd. from Edmund Road to SW 58 Ave.

- Intersection (37) improvements
- Sidewalk and bike lane improvements on Hallandale Beach Blvd. from east of SR 7 to SW 58th Ave.
- Signalized Pedestrian Crossing at SR-7/US 441 and NW 3rd Street.
- Hallandale Beach Blvd from Edmund Rd to SW 58th Ave.
- Sidewalk, bike lane and lighting improvements on SR 7/US 441 from Southgate Blvd. to the Cypress Creek Canal

Location
Broward County, FL

Dates
10/2018 - Ongoing

Budget
HBC Fee: $722K
Construction Cost: $4.4M

Reference
Robert Lopes, PE
(954) 777-4425
robert.lopes@
dot.state.fl.us

Key Components
Major & Minor Highway Design, S&PM, Channelization, Lighting, Signalization

Contract No.
FPID 429576-2-52-01
FPID 429576-3-52-01

Relevance to the Scope
1. Transit Corridor Enhancements

Task 2: SR 7/US 441 from Oakes Rd. and the New River Greenway and SR 838/Sunrise Blvd. from SR 7/ US 441 to NW 31st Ave.

- Shared use path along the east side of SR 7/US 441 between Oakes Rd. and New River Greenway
- Sidewalk on east side of SR 7/ US 441 connecting Orange Dr. to Oakes Rd.
- Shared use path along North Fork New River between SR 7/ US 441 and NW 31st Ave.

Task 3: SR 7/US 441 from Orange Drive to NW 31st Avenue.

- Designed 6' sidewalk on SR-7 from Orange Dr. to Oakes Rd.
- Developed 8'–12' shared-use path from Oakes Rd. to nearby parks
- Added 10' shared-use path along the C-12 Canal to NW 31st Ave.
- Included crosswalks, pedestrian lighting, and RRFB at NW 34th Ave.
- Designed drainage and landscaping; coordinated with SFWMD for permits.

This project was completed on time and on budget.

2. Multimodal Infrastructure Improvements
3. Signalization and Lighting Upgrades
4. Comprehensive Design and Coordination
5. Task-Based Work Order Delivery

Funded by
Local Agency Program (LAP)

SR 7 / NW 7th Ave Safety Improvements

Florida Department of Transportation (FDOT) D6

HBC Engineering Company provided design and post design support services for roadway improvements along a one-mile segment of SR-7/NW 7th Avenue, from south of NW 118th Street to NW 131st Street, under contract with FDOT District 6 and in coordination with the Miami-Dade County Parks and Recreation Department. The scope included Signing and Pavement Marking (S&PM), Roadway Lighting, and Traffic Signalization enhancements to improve safety, visibility, and operations along the four-lane arterial.

HBC prepared construction plans for all disciplines, including tabulation sheets, plan sheets, general notes, mast arm layouts, AGI-32 lighting calculations, and power source coordination. Lighting efforts focused on NW 125th to NW 131st Streets, supported by field review and photometric analysis. The team also provided quality control, temporary signal layouts, and agency coordination to meet FDOT standards.

Post design support included participation in pre-construction meetings, RFI responses, shop drawing reviews, design clarifications, and field visits to verify construction compliance. HBC also supported closeout activities, including final inspections and punch list resolution. All services were completed under the supervision of a licensed Florida Professional Engineer and in accordance with applicable design standards.

This project was completed on time and on budget.

Location
Miami-Dade County

Dates
2011

Budget
HBC Fee: $1.5 M

Reference
Jose Barrera, PE
Jose.Barrera
@dot.state.fl.us
(305) 470-5100

Key Components
design of signing and pavement marking, roadway lighting design, signalization design, lighting calculations using AGI-32, plan sheet development, mast arm layout and structural sheets, coordination with FDOT and Miami-Dade County, quality control reviews, post design RFI responses, shop drawing reviews, construction document clarifications, field visits, support for final inspection and project closeout.

Contract No.
256481

Relevance to the Scope

1. Signalization and Lighting Design Expertise
2. Post Design Support Services
3. Urban Arterial Corridor Improvements
4. Coordination with Local Agencies

SW 147th Ave. Reconstruction from SW 17th St. to SW 26th St.

Miami-Dade County (MDC) Parks, Recreation and Open Spaces (PROS)

HBC was selected by the Miami-Dade County Parks and Recreation Department as the prime consultant for roadway design, construction documents, and specifications for the reconstruction and widening of SW 147th Avenue from SW 17th Street to SW 26th Street. The project extended SW 147th Avenue from SW 23rd Street to NW 17th Street and widened the roadway from one to two lanes in each direction from SW 26th Street to SW 23rd Street. Services included horizontal and vertical geometry, milling and resurfacing, roadway reconstruction, sub-soil excavation, ADA ramp upgrades, drainage design and evaluation, sidewalk construction and repair, design reports, maintenance of traffic, and signing and pavement marking. A key achievement was the geometric realignment of the roadway to minimize impacts to a hardwood tree island between NW 23rd Street and NW 17th Street using a reduced roadway footprint. The project required extensive coordination with DERM (Class IV), SFWMD (ERP), USACE, Miami-Dade Public Works (ROW dedication), WASD (water main relocation), FDEP (NOI), and EQCB (variance petition). The design followed Miami-Dade Public Works standards and met all applicable federal, state, and local regulatory requirements. HBC Project Manager Adebayo Coker, PE, led the design and preparation of construction plans, including drainage, pavement design, cross sections, lighting, MOT, and coordination with stakeholders. He reported progress monthly to Ms. Lydia Salas, PE, of Miami-Dade Parks and Recreation.

This project was completed on time and on budget.

Location
Miami, FL

Dates
6/2008 - 10/2013

Budget
HBC Fee: $140K
Construction Cost: $1.3M

Reference
Lydia Salas, PE
(305) 755-5456
lsalas@miamidade.gov

Contract No.
EDP-2011

Key Components
Roadway Reconstruction and Widening

Relevance to the Scope

1. Lighting and Electrical Design Expertise
2. Permit-Ready Construction Documentation

Corridor Improvements at SR-817/University Drive from Nova Drive to SR-84

Florida Department of Transportation (FDOT) District 4

This project encompasses a series of critical roadway and infrastructure improvements along SR-817/University Drive, extending from Nova Drive to SR-84. The enhancements aim to improve traffic flow, safety, and accessibility for the surrounding community. One of the key upgrades includes the widening of the existing pavement to accommodate a proposed auxiliary lane extending from NW 23rd Street to connect seamlessly to the westbound I-595 ramp. This improvement is expected to reduce congestion and facilitate smoother traffic transitions.

To support these changes, several relocations are planned, including the adjustment of existing drainage structures, overhead signs, a mast arm, and utility poles. These modifications will ensure that the expanded roadway maintains its functionality while meeting modern safety and design standards. Additionally, the project involves the reconfiguration of the bus stop bay located at the northeast corner of Nova Drive and University Drive, improving accessibility and convenience for public transportation users.

Further refinements include the reconfiguration of right-turn lanes serving the Royal Grand community, PNC Bank, and Nova Drive. These changes aim to enhance traffic efficiency and provide safer turning movements for vehicles accessing these locations. Overall, this project reflects a comprehensive approach to improving transportation infrastructure in a growing urban area.

Location
Plantation, FL

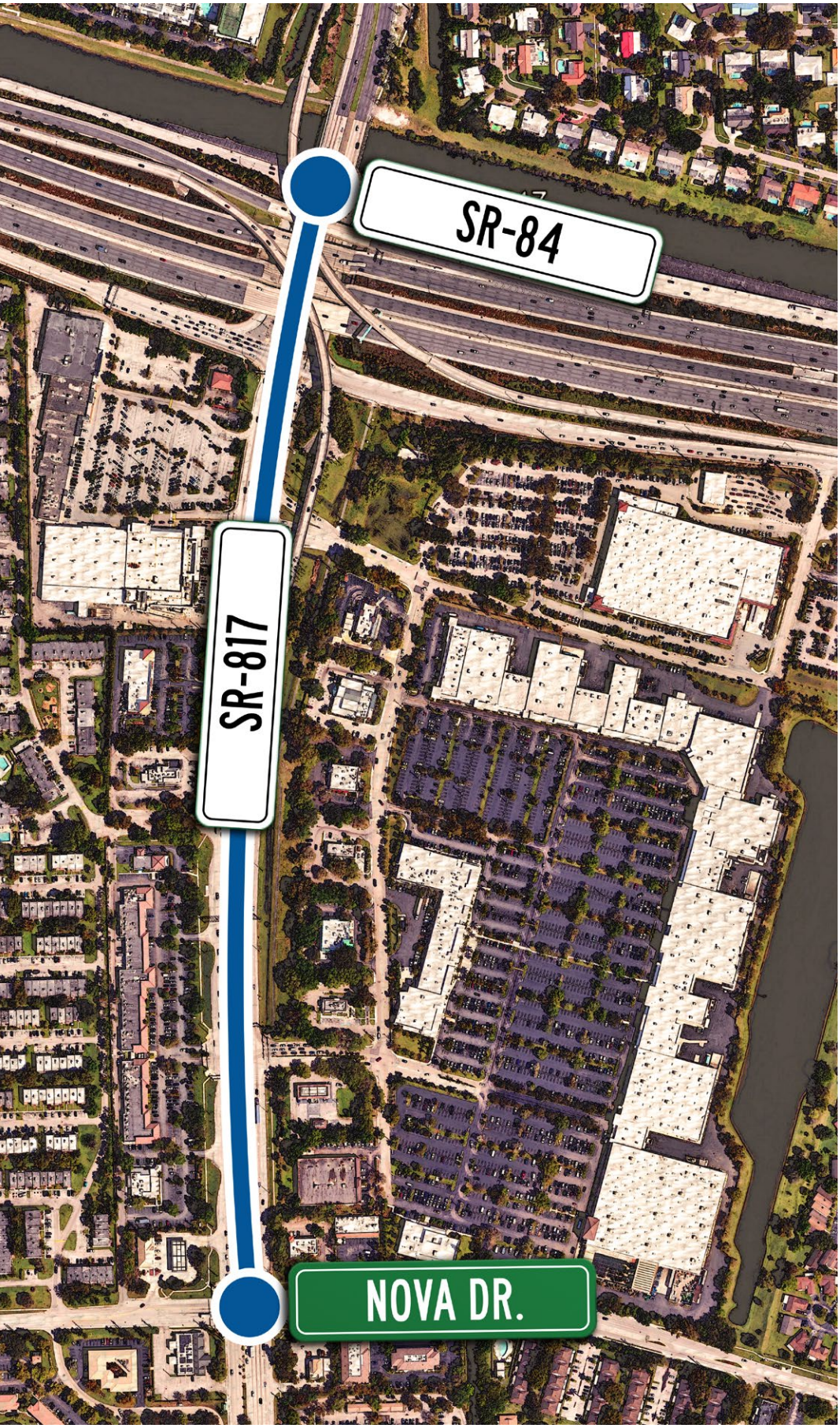
Dates
3/2020 - Ongoing

Budget
Construction Cost: $7M

Reference
Lance K. Jones, Jr.
(954) 777-4680
lance.jones1@
dot.state.fl.us

Contract No.
445624-1-52-01

Key Components
Roadway widening, Auxiliary lane addition, Drainage adjustments, Sign relocations, Utility relocations, Bus stop reconfiguration, Turn lane modifications, Traffic flow improvements,



Safety enhancements, Accessibility upgrades.

Relevance to the Scope

1. Roadway Widening and Capacity Improvements
2. Traffic Flow and Safety Enhancements
3. Drainage and Utility Relocations
4. Transit Accessibility Upgrades
5. Intersection and Turn Lane Reconfigurations

Widening of SW 30th Avenue from Griffin Road to SW 45th Street

Florida Department of Transportation (FDOT) District 4

HBC delivered design services for the widening of SW 30th Avenue, increasing its capacity from two lanes to four lanes between Griffin Road and SW 45th Street. The project also included new signing and pavement markings from SW 45th Street to 42nd Street. As a Broward County-operated facility, SW 30th Avenue will remain under County maintenance upon project completion

This project was designed to enhance roadway safety, improve operational efficiency, and extend the service life of the corridor. The scope of work encompassed critical upgrades such as new bike lanes, filling sidewalk gaps, addressing ADA compliance, modernizing lighting systems, upgrading drainage infrastructure, retrofitting traffic signals, implementing new signage and pavement markings, and adding landscaping.

To meet the project's goals, HBC's team delivered a comprehensive suite of design services, including:

- **Initial Coordination:** Conducted field reviews and a kickoff meeting with FDOT's Project Manager and key stakeholders to establish the project scope.
- **Community Engagement:** Developed and submitted a Community Awareness Plan (CAP) to inform and involve the public.

Location
Dania Beach, FL

Dates
2013 - 2017

Budget
HBC Fee: $637K

Reference
Henry Oaikhena, PE
(954) 777-4445
Henry.Oaikhena@dot.state.fl.us

Brent Lee Shue Ling
(954) 777-4075
brent.lee-shue-ling@dot.state.fl.us

Key Components
Roadway widening, Pavement design, Bike lanes, Sidewalk improvements, ADA compliance, Lighting

- **Utility Coordination:** Managed initial utility contacts, coordinated adjustments, and updated plans to reflect utility mark-ups.
- **Environmental Permitting:** Facilitated environmental permitting to ensure compliance with regulatory requirements.
- **Roadway Design:** Completed roadway analyses and prepared detailed plans.
- **Geotechnical Coordination:** Arranged geotechnical investigations and pavement design efforts.
- **Pavement and Drainage Design:** Prepared pavement designs, typical sections, and design exceptions/variations; developed comprehensive drainage layouts, calculations, and cross-sections.
- **Structural and Lighting Design:** Coordinated structural components and prepared detailed signing, marking, signalization, and lighting plans.
- **Construction Planning:** Produced construction plans at key milestones (60%, 90%, and 100% submittals).
- **Right-of-Way Coordination:** Managed ROW needs, including easements and licensing agreements.

This project was completed on time and on budget.

design, Drainage upgrades, Signalization, Utility coordination, Environmental permitting, Community engagement, Right-of-way coordination, Construction documentation.

Relevance to the Scope

1. Roadway Capacity Expansion
2. Multimodal and ADA Enhancements
3. Comprehensive Utility and Permitting Coordination
4. Detailed Design and Construction Documentation
5. Stakeholder and Public Engagement

Funded by
Local Agency Program (LAP)

Lighting Design for SR-820/Pines Boulevard from West of SW 136th Avenue to East of NW 118th Avenue

Florida Department of Transportation (FDOT) District 4

Location
Pembroke Pines, FL

Dates
2023 - Ongoing

Reference
Jamie Polidora, PE
(954) 777-4633
jamie.polidora
@dot.state.fl.us

Contract No.
FPID No. 446200-1-32-01

Key Components
Lighting Analysis, Post Design Services, Utility Coordination

Relevance to the Scope

1. Lighting Design and Analysis
2. Pedestrian Safety Enhancements
3. Intersection Retrofits
4. Comprehensive Deliverables Package
5. Utility and Structural Coordination

HBC is providing comprehensive Lighting Design and Post Design Services for the SR-820/Pines Boulevard corridor, spanning from west of SW 136th Avenue to east of NW 118th Avenue. Our goal for this project is to enhance safety and visibility for both pedestrians and drivers by delivering innovative lighting solutions tailored to this busy corridor.

Our services include a detailed Lighting Analysis and the creation of precise Lighting Plan sheets to meet the illumination standards set by the Florida Department of Transportation (FDM). The project will introduce pedestrian-scale lighting along a newly widened 10-foot sidewalk, as well as retrofit existing lighting at key intersections, including NW 142nd Avenue, NW 136th Avenue, SW 129th Avenue, S Flamingo Rd., and NW 118th Avenue, enhancing visibility at these critical crossing points.

Additionally, we will produce a comprehensive Lighting Design Analysis Report, detailing photometric requirements and the specified illumination levels. Our deliverables will feature plan sheets outlining all lighting improvements, pay items, plan notes, and the digital delivery of all documentation. Beyond lighting design, we will address any minor structural design needs, propose new load centers, perform voltage drop calculations, and coordinate closely with utility providers to ensure seamless integration with the existing infrastructure.

Design-Build Services for The Underline - Phase II

Miami-Dade County Department of Transportation and Public Works

HBC is providing Project Management for the Design-Build delivery of Phase II of The Underline, a transformative urban trail and public space project spanning 2.4 miles from SW 13th Street to SW 19th Avenue, adjacent to the Vizcaya Metrorail Station. This phase continues the revitalization of underutilized land beneath Miami's Metrorail, integrating multimodal connectivity, public amenities, and environmental enhancements to create a vibrant and safe urban corridor.

HBC's role in the project includes civil engineering, landscape architecture, electrical design, surveying, geotechnical engineering, permitting, and public involvement to ensure seamless execution.

Key elements of the project include:

- Urban Trail & Transportation Enhancements – Dedicated off-street pathways for pedestrians and cyclists, improving mobility and safety.
- Signing & Pavement Markings – Installation of wayfinding signage and regulatory traffic markings meeting MUTCD, FDOT, and ADA compliance.
- Public Space & Landscaping – Addition of street furniture, decorative landscaping, ambient lighting, and recreational areas to enhance the user experience.
- Environmental & Archaeological Considerations – Implementation

Location
Miami, FL

Dates
12/2019 - Ongoing

Budget
HBC Fee: $32K
Construction Cost: $20M

Reference
Diego Gonzalez
(305) 615-3272
dgonzalez@Lead-ec.com

Key Components
Urban trail, pedestrian and cyclist pathways, signage, pavement markings, landscaping, lighting, street furniture, environmental compliance, permitting, public involvement, stakeholder coordination.

Relevance to the Scope
1. Design-Build Project

of environmental investigation, remediation, and archaeological monitoring to ensure compliance with regulatory requirements.

- Stakeholder Coordination – Engagement with Miami-Dade County, the City of Miami, utility companies, and community stakeholders to align project goals and facilitate implementation.

The Underline serves as a premier multimodal corridor, fostering pedestrian and cyclist connectivity between Downtown Miami and SW Miami-Dade neighborhoods. As part of Miami-Dade County's Parks and Open Space Master Plan, this initiative transforms underutilized land into a safe, sustainable, and interactive urban space.

Beyond its functional role, The Underline acts as a cultural and artistic hub, integrating public art installations, event spaces, and recreational areas to encourage community engagement. Through innovative design and environmental consciousness, this project embodies Miami's commitment to sustainability, mobility, and urban renewal.

With HBC's leadership in project management and design coordination, Phase II of The Underline will deliver a resilient and accessible public space that enhances quality of life, encourages alternative transportation, and fosters a thriving community.

CEI Services for Belvedere Heights Phase 1 & 2 Sidewalks and Streetlight

Palm Beach County

HBC provided comprehensive Construction Engineering and Inspection (CEI) services for this infrastructure improvement project, ensuring all construction activities were completed in accordance with project specifications, regulatory standards, and safety protocols. HBC was responsible for day-to-day inspection, documentation, and quality assurance of the contractor's work, as well as coordination with project stakeholders to facilitate timely progress and issue resolution.

HBC's scope included active engagement with the contractor and multiple subcontractors involved in the reconstruction of 6-foot-wide sidewalks, partial driveway reconstruction, installation of drainage structures, and the placement of streetlight poles and electrical components such as pull boxes and conduits. The project also involved directional boring to support lighting infrastructure, construction of spread footer foundations, site restoration through sodding, and the implementation and monitoring of Maintenance of Traffic (MOT) plans to ensure pedestrian and vehicular safety during construction.

In addition, HBC managed utility coordination efforts with several Utility/ Agency Owners (UAOs), including Verizon, Florida Public Utilities, Florida Power & Light, Palm Beach County Water Utilities, and West Palm Beach Water Utilities. These efforts ensured that existing utilities were protected or relocated as needed, minimizing service disruptions and maintaining

Location
West Palm Beach, FL

Dates
2021 - 2022

Budget
HBC Fee: $575K

Reference

Zachary King
(561) 684-4178
zking@pbcgov.org

Scope of Services
Construction oversight, Sidewalk reconstruction, Driveway modifications, Drainage installation, Street lighting installation, Utility coordination, Subcontractor management, Foundation construction, Sodding, Maintenance of Traffic.

compliance with utility standards. HBC's oversight played a critical role in maintaining construction quality, minimizing delays, and delivering a successful project outcome.

This project was completed on time and on budget.

Relevance to the Scope

1. LAP Experience
2. Sidewalk and Lighting Scope
3. Utility Coordination
4. MOT and Safety
5. Construction Oversight

Funded by
Local Agency Program (LAP)

CEI Services for Roadway, Sidewalk, & Pedestrian Lighting Improvements Project at Cherry Road from Military Trail to Quail Drive

Palm Beach County

HBC is providing Construction Engineering & Inspection (CEI) services for the complete streets improvements along Cherry Road in Palm Beach County (PBC). The HBC CEI Team handles all project management as well as inspections under this specific project under a blanket task work order contract with PBC.

The project involves the construction of an 8-foot-wide sidewalk along the north side of Cherry Road, stretching from N. Military Trail to a point 120 feet west of Quail Road. Additionally, a 6-foot-wide sidewalk will be constructed on the south side of Cherry Road, covering the same stretch from N. Military Trail to Quail Road, with the exception of the segment that crosses the bridge identified as structure #934229. The scope of the project also includes milling & resurfacing, widening, and the installation of appropriate signing and pavement markings to better accommodate current traffic volumes and improve overall traffic flow. Pedestrian-scale lighting and landscaping will be installed along the sidewalks and in key areas of the roadway.

HBC's CEI Team is responsible for conducting bi-weekly progress meetings, maintaining accurate daily reports, verifying quantities and work compliance, documenting changes in field conditions, supporting the interpretation of plans and specifications, and providing input on potential resolutions for construction issues, managing invoices, assisting Palm Beach County with

Location
Westgate, FL

Dates
2024 - Ongoing

Budget
HBC Fee: $60K
Construction Cost: $1.21M

Reference
David West
(561) 684-4180
DWest1@pbc.gov
301 N. Olive Avenue
West Palm Beach, FL 33401

Contract No.
2021025
CSA No. 6

Key Components
Milling & Resurfacing,
Variable Width Sidewalk,

state funding packages for reimbursement, facilitating daily inspections, and handling all documentation for project closeout, including a comprehensive punch list as well as inputting accurate data entry into GAP and organizing all project documentation for timely reimbursement submissions of the allocated federal funds.

Pedestrian Lighting, ADA Improvements.

Relevance to the Scope

1. CEI Project Management
2. Complete Streets Scope
3. Sidewalk & Lighting Installation
4. Documentation & Compliance
5. Federal Funding Coordination

Funded by
Local Agency Program (LAP)

Hammocks Sign Replacement Project

Hammocks Community Association

The Hammocks Sign Replacement Project involved the removal and replacement of aging or damaged signage throughout the Hammocks community to improve visibility, aesthetics, and public safety. The scope of work included a comprehensive survey of existing sign conditions, design of new sign types consistent with county and community branding standards, fabrication, and installation. Sign types included regulatory, directional, park entry, and community identification signs. The project required coordination with Miami-Dade County departments to ensure compliance with applicable regulations, ADA standards, and installation specifications. The work also included removal and disposal of outdated signage, restoration of disturbed areas, and verification of proper sign placement for enhanced navigability and visual consistency within the neighborhood.

This project was completed on time and on budget.

Location
Kendall, FL

Dates
2013

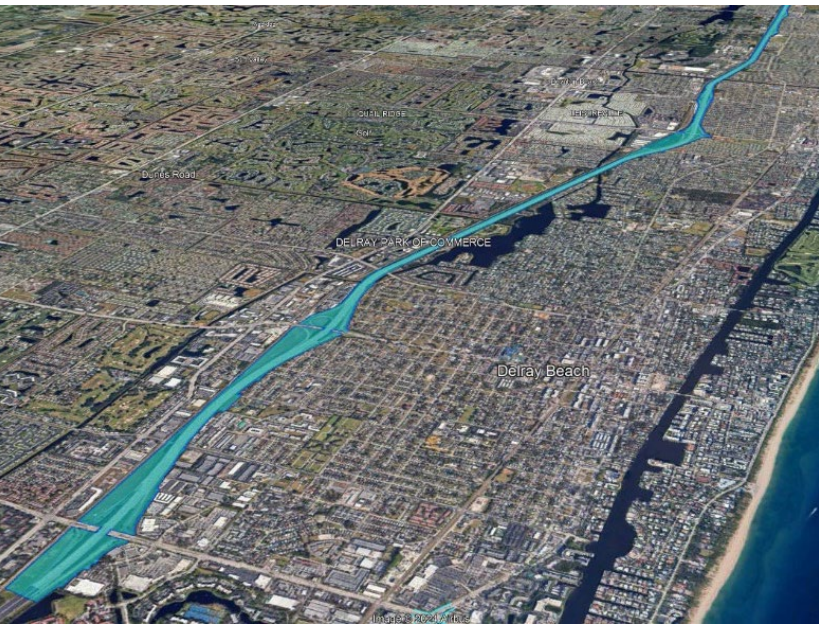
Key Components
Signage Assessment, Design Standards, Fabrication & Installation, Regulatory Compliance, Site Restoration

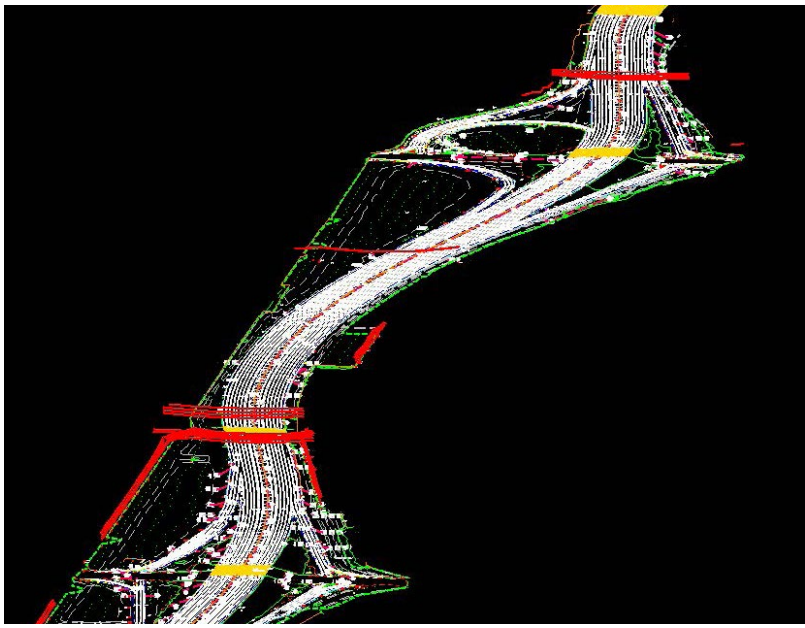
Relevance to the Scope

1. Community-Focused Enhancements
2. Multidisciplinary Design Experience
3. ADA and Regulatory Compliance
4. Interagency Coordination Expertise
5. Construction Document Delivery

3D-Design Survey for SR-9 / I-95 from South of Linton Road to 6th Ave South

Florida Department of Transportation (FDOT) District 4





This is a PD&E project for FDOT 4. GPI-GEO Performed a complete 3D Design Survey for this 12-Miles-Highway from Right of Way to Right of Way. GPI-GEO was this project's Prime Geomatic Consultant, performed under our Current Continue Service Contract with FDOT 4. In addition to GPI GEO resources, we were supported by two other survey sub-consultants who performed the drainage and off-pavement investigation. The 3D-Design Survey was completed using Terrestrial Mobile LiDAR. The scope of services included establishing Primary Control Points (PCP) for the entire corridor, following FDOT Standards. GPI GEO also set and controlled Terrestrial Mobile LiDAR (TML) Targets to calibrate the Point Cloud to project control. GPI-GEO extracted all above-ground features on the hard surfaces (pavement) for the 12 miles. GPI GEO also merged the ground and drainage survey. GPI GEO recovered the Historical Baseline of Survey for the main corridor (SR 9 / I -95) and the adjacent FEC Corridor.

Location
Palm Beach County, FL

Dates
2022 - 2024

Budget
Project Fee: $1.1M

Reference
Evan Bain, PSM
(954) 777-4560
evan.bain@dot.state.fl.us

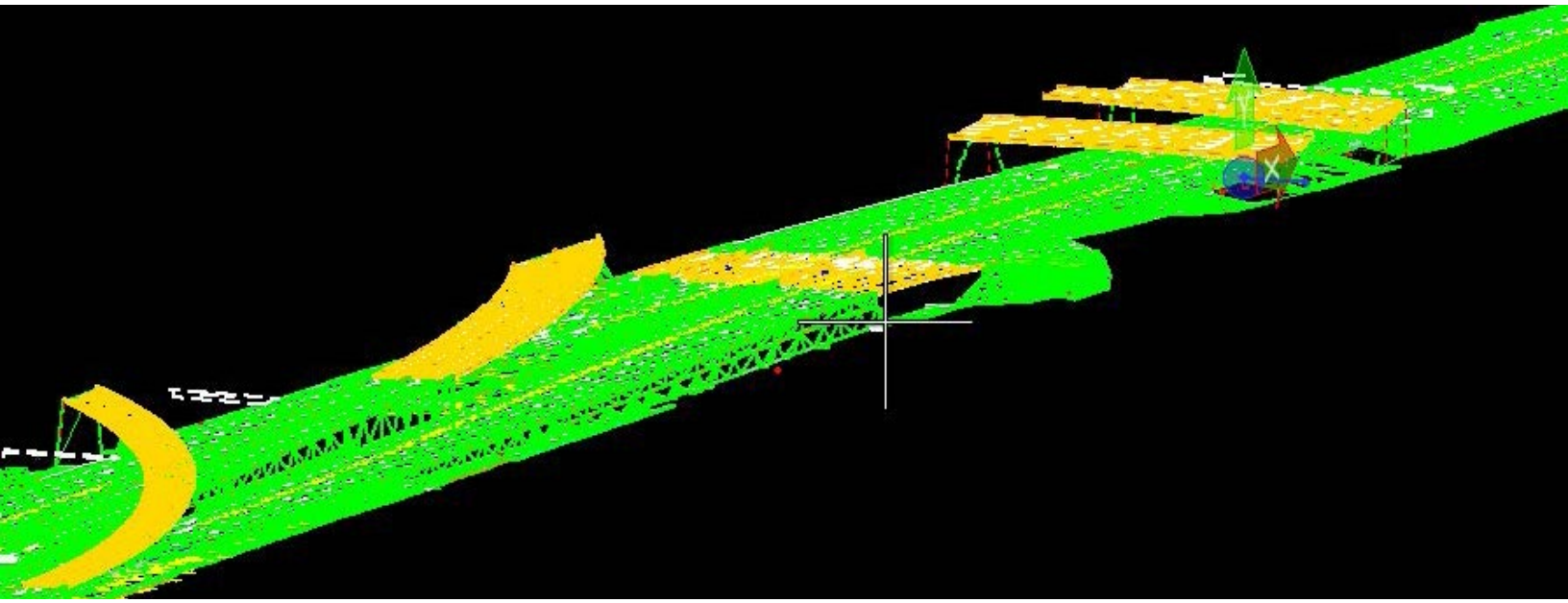
Relevance to the Scope

1. Full 3D Design Survey Coverage
2. Right-of-Way Investigation
3. LiDAR Data Collection
4. Baseline Recovery and Control Point Establishment

GPI

3D-Design Survey for SR 826 / Palmetto Expressway from NW 25th Street to NW 67th Avenue

Florida Department of Transportation (FDOT) District 6



GPI-GEO completed this project for FDOT 6. The purpose of this project was the design of the re-alignment of the travel lanes after the Express lanes construction was completed. GPI-GEO was this project's Prime Geomatic Consultant, performed under our Current Districtwide Service Contract with FDOT6. GPI GEO performed a complete 3D Survey for the S.R. 826 (Palmetto Expressways) Deck. The 3D Survey was completed using Aerial LiDAR and Aerial Imagery. FDOT provided the primary and secondary control for this project. GPI-GEO extracted the above-ground 3D features for the entire corridor, limited to the hard surfaces, and extended to some side streets and ramps. GPI GEO also scanned all overpass and Mast Arms along the project to provide clearances.

Location
Miami-Dade County, FL

Dates
2020

Budget
Project Fee: $299K

Reference
Zurelys C. Perez de Alejo, PSM
(305) 640-7471
Zurelys.PerezDeAlejo@dot.state.fl.us

Relevance to the Scope

1. FDOT DW Survey
2. 3D Survey Using Aerial LiDAR
3. Roadway Realignment
4. Overpass and Mast Arm Scanning
5. Side Street and Ramp Coverage

GPI

KCI Technologies, Inc.

Andrews Avenue Extension - Segment 5

REFERENCE

FDOT District Four

Kaylee Kildare PSM-EPM

3400 West Commercial Blvd.

Fort Lauderdale, FL 33309

954.777.4219

kaylee.kildare@dot.state.fl.us

2005 - 2016

Prime Consultant

Results of the project: Overall, the project not only enhances the immediate transportation landscape but also contributes to long-term community development and environmental sustainability.

The scope of services for this project involved the design and permitting required to produce construction documents for the construction of a new four-lane divided roadway between Racetrack Road/NW 3rd Street and Atlantic Boulevard/SR 814. The new Andrews Avenue Segment 5 section follows the preferred Alignment Alternative 1-B as proposed, was approved in the Andrews Avenue Extension PDE Report (September 1996), and required right-of-way acquisition by FDOT per FHWA requirements.

As with previous Andrews Avenue projects, the roadway typical section was developed as a four-lane divided urban typical section in 110 feet of right-of-way. The design also accommodated possible future expansion to a six-lane divided section as traffic volumes dictate. The typical section accommodates a 33-foot wide curbed median and four 12-foot through lanes with adjacent four-foot bike lanes and six-foot sidewalks.

The project involved the design and permitting of a new closed drainage system incorporating wet detention ponds discharging to the Pompano Canal (C-14). The roadway design included lighting, signalized intersections, and roadway signing and marking. The project required close coordination with Broward County and the City of Pompano Beach; all maintenance agreements for lighting and landscaping were between these two counties.

KCI

SR 907/Alton Road from 5th Street to N Michigan Avenue

REFERENCE

FDOT District Six

Monica Rodriguez

1000 N.W. 111 Avenue

Miami, FL 33172

305.470.5452

monica.rodriguez@dot.state.fl.us

2016 - 2017

Prime Consultant

Results of the project: Overall, this project enhances the aesthetic appeal, functionality, and accessibility of the area, positively impacting the local community and its visitors.

This 1.5-mile section of Alton Road is an active commercial corridor in one of Florida's hottest destinations to visit, live, work, or play - Miami Beach. The corridor is heavily traveled by locals and tourists either by foot, bicycle or automobile. To soften the urban feeling of this metropolitan corridor, large shade trees were placed adjacent to on-street parking and in curbed bulb-outs, thus providing a shady walk for pedestrians, allowing them to linger along the corridor to enjoy the many shops and cafes that Miami Beach has to offer. Hardscape treatments were designed within the sidewalks to create ADA-compliant walkways as well as provide root space for proposed street trees. Working with the City of Miami Beach, irrigation plans were tailored to the city's requests. Ultimately as a tree-lined street that will mature and grow, Alton Road will continue to develop as an asset for the community and its users to enjoy. The scope of work for this project included the design and permitting of drainage improvements of 3,370 linear feet of sidewalk. The design was prepared under contract amount. Construction cost savings were developed during construction.

KCI

SR A1A Fort Lauderdale Beach Streetscape

REFERENCE

Florida Department of Transportation
District Four
Elisabeth Hassett, RLA
954.777.4219
elisabeth.hassett@dot.state.fl.us

KCI was retained by the Florida Department of Transportation District Four to design the reconstructed portion of SR A1A from Sunrise Boulevard to NE 18th Street. KCI designed and prepared construction plans for the landscape, irrigation, and hardscape. While most of the landscape improvements are in the newly constructed median, KCI also made improvements to the east sidewalk along the beach. The streetscape design lined SR A1A with stately palms placed in landscaped medians. The palms were spaced closely for dramatic visual impact, and the wide sidewalks allowed for comfortable pedestrian passage. Coastal-appropriate plant species were installed within plant beds throughout the project. KCI performed post-design services, reviewing plant layouts and plant quality to ensure a quality product. KCI continued to assist the department in monitoring throughout the establishment period.

KCI

Las Olas Boulevard Beach Streetscape

REFERENCE
City of Fort Lauderdale
Public Works Department
Albert Carbon
954.828.5290
acarbon@fortlauderdale.gov

The City of Fort Lauderdale engaged KCI to design Las Olas Boulevard gateway, which extends from east of the Intracoastal Waterway to SR-A1A. KCI's responsibilities included designing and preparing construction plans for the roadway realignment, improving stormwater drainage, signage, striping and marking, signalization, ADA upgrades, and new trombone-style mast arm structures. Additionally, KCI provided hardscape, landscape, irrigation, landscape lighting, and decorative lighting. The KCI team also provided tree relocation plans, bidding assistance, and construction management services.

The KCI streetscape design lined Las Olas Boulevard with stately palms placed in decorative tree surrounds to match the hardscape paver pattern. Dramatic landscape uplighting was installed at the base of each palm for visual impact, and the wide sidewalks allowed for comfortable pedestrian passage. Coastal-appropriate plant species were installed within plant beds adjacent to the City's public parking lot in order to soften the pedestrian edge and screen the parking lot.

KCI

Las Olas Boulevard Beach Streetscape

REFERENCE
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Public Works Department
Albert Carbon
954.828.5290
acarbon@fortlauderdale.gov

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KCI

Avant Garde Academy "Safe Routes to School" Sidewalk Project

City of Hollywood | City of Hollywood, Broward County, FL

The scope of this project was to design and prepare plans for a sidewalk improvement project related to the Safe Routes to School program for the Avant Garde Academy in Hollywood, Florida. Due to the federal funding sought by the City through the FDOT Local Agency Program, RES was subcontracted to conduct a NEPA evaluation for completing the missing sections of concrete sidewalks along both sides of roads for a total of 13,225 linear feet in 26 different blocks within 0.71 miles of the school. RES' role on this project was to evaluate sociocultural, contamination, natural resources and other environmental resource project effects. A Florida bonneted bat survey was conducted as part of the natural resource assessment. The environmental document was a CatEx 2, with back up memos for each environmental resource.

AT A GLANCE.

Client Contact
Juan José Figueroa, PE, Senior Project Manager (Resiliency)
Design and Construction Management
P.O. Box 229045
Hollywood, Florida 33022-9045
O: 954-921-3410 | M: 954-864-6622 | jfigueroa@hollywoodfl.org

Contract Value
$13,830

Contract Period
November 2020 – December 2021

Project Type
Advisory Services

Project Highlights
- Sociocultural Evaluation
- Contamination Evaluation
- Natural Resources and other Environmental Resource Project Effects Evaluations
- Florida Bonneted Bat Survey
- CatEx 2 Documentation

Key Staff
- Nadia Locke, PE, LEED AP

Jose Marti Park Adaptive Re-Design

Curtis + Rogers Design Studio | Miami-Dade County, City of Miami, FL

AT A GLANCE.

Client Contact
Ms. Aida Curtis, Principal
7520 S. Red Road, Suite M
South Miami, FL 33143
aida@curtisrogers.com
305.442.1774

Contract Value
$225,990

Project Size
13 acres

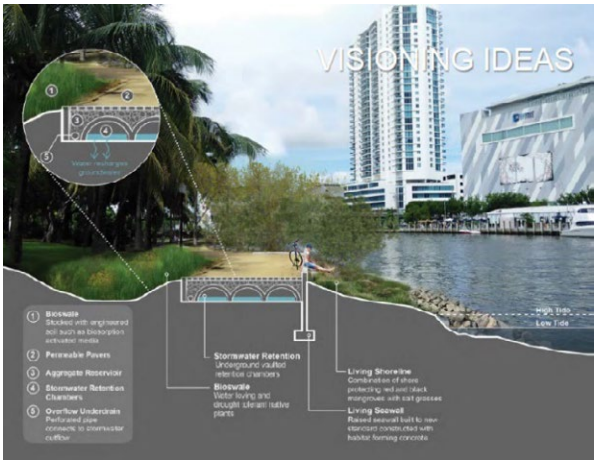
Contract Period
October 2019 – Present

Project Staff
- Patrick Shearer, PE
- Jim Orioles, PE
- Esteban López, PE
- Justin Freedman, MS
- Jennifer Savaro, MS
- Bryan Farrow, PE

Project Highlights
- June 2023, Awarded 1st Waterfront Edge Design Guidelines (WEDG) verification in Florida
- March 2021, Awarded ~$14M- – CDBG-MIT General Infrastructure grant

RES is providing civil and environmental engineering services that include environmental site analysis and impact evaluations, vulnerability assessments, resiliency planning, and design related to drainage improvements, green infrastructure, and stormwater management at the Jose Marti Park site on the west bank of the Miami River in the heart of Downtown Miami. This project site is ±13 acres and consists of a waterfront park, paths, playgrounds, a pool complex, gym, recreation and community center, basketball courts, baseball fields, exercise equipment, and waterfront access via seawalls and imbricated shoreline areas. Interstate I-95 lies over a portion of the site, and overhangs the gym building, basketball courts, and parking areas – and this area was historically the location of the Tent City during the Mariel Boatlift in the 1980s. The park is the center for the community in this area of Little Haiti, and regularly experiences tidal flooding from the river and this is exacerbated during the King Tide portions of the year, and hurricane season. With future sea level rise projections showing increased water levels for the park, our team of architects, engineers, scientists, and planners has been tasked with adapting the waterfront to future predicted sea level rise tidal and storm surge elevations that will set a model for other properties along the Miami River and other portions of the city that can benefit from this adaptive design.

The park has five existing stormwater outfalls on-site, which are underserved by stormwater treatment facilities and discharge directly to the Miami River. Additionally, the park adaptive redesign will set the stage for the Miami Riverwalk initiative which is currently underway by the Miami Downtown Development Authority and will be a model project for other portions of the Riverwalk which plan to provide a continuous riverfront trail for the community and the heart of the city.



RES' role on the project is to provide civil engineering for stormwater upgrades to the site to reduce onsite and neighborhood flooding and to provide water quality treatment where there is currently very little treatment in place for this watershed. RES is also conducting an evaluation on the feasibility of pump stations and drainage wells to

reduce flooding. Additionally, RES is providing environmental science, engineering, and ecological considerations and design for the living shoreline, living seawall, habitat restoration, and green infrastructure components of the project.

RES performed the tree inventory and Florida bonneted bat survey for the site. We are responsible for environmental permitting for the stormwater improvements.

RES is also providing site analyses, assessments, and design for innovative stormwater retrofits involving LID design for this unique, green resilience project. Components of the environmental site analysis and vulnerabilities and resiliency assessments include heat island effect considerations, energy resource considerations, stormwater and green infrastructure assessment, community outreach, and site design related to the stormwater and environmental aspects of the project. The project is a pilot designed to showcase and scale up resiliency and adaptation design measures. A variety of climate-change-oriented sensors, metrics, and grant funding approaches have been included in RES' project evaluation to assist with project funding and resiliency. This project features stormwater design conveying green infrastructure such as permeable pavement with regenerative underground exfiltration, smart stormwater infrastructure, bio-retention/bio-swale planting areas; tree planter retention areas with structural soils; bio-sorption activated media; pollutant removal devices and filtration; solar power; stormwater engineering art; and climate change concepts through public education and outreach. The stormwater retrofits have been integrated into the living shoreline aspects of the project, and kayak ramp, with the intent to reconnect the historic hydrologic cycle to the water's edge portion of the river, enhance ecology for oyster restoration, and provide resiliency for the neighborhood. Tidal valves and backflow preventers with manatee protection will be installed on existing outfalls to prevent "sunny day flooding" and minimize tidal water from the river from impacting drainage at upstream locations.

RES is leading the natural systems and green infrastructure design and integrating the LID principles to showcase stormwater management as functional environmental art which ties the site to the Everglades and Biscayne Bay natural areas of Miami and the Miami River. The project has a Florida Inland and Navigation District grant that is allocated to the waterfront trail, a kayak launch, a living shoreline, and seawall upgrades for the site. Innovative living seawall elements are part of this design and reduce carbon footprint.

The final design will go to construction and is part of the Tranche 1 of the City of Miami Forever Bond general obligation bond program. The project team has many partners, and the New York-based Van Alan Institute has led a separate and concurrent study and series of events to educate the community on sea level rise, climate change, gentrification, and to work with our project team to create a project that provides equity, economy, and ecology for the citizens, the Miami River, and the City of Miami. The project is intended to improve pedestrian safety, harness social interaction and business development, and to improve water quality and flood reduction in the district. ~$18 million was awarded for a CBDG grant.

Miami River Greenway Curtis Park

A&P Consulting Transportation Engineers, a CHA Company | City of Miami, Miami-Dade County, Florida

A&P Consulting Transportation Engineers (APCTE) was awarded the design and permitting of a greenway project by the City of Miami. RES was selected as a subconsultant to provide environmental support with respect to compliance with National Environmental Policy Act (NEPA) documentation and environmental permitting. The Florida Department of Transportation (FDOT), District Six, is providing funding (including federal funds) for construction through FDOT's Local Agency Program (LAP).

The project scope of work includes the following improvements to the existing roadway: reconstruction of NW North River Drive, milling and resurfacing of NW 24th Avenue, greenway construction, and sidewalk construction. All work will be conducted in the City-owned properties and no right-of-way acquisition is proposed. The City of Miami is the managing local agency for the preliminary engineering and construction of this project. Local and federal funds for this project were allocated through the Miami-Dade County Transportation Planning Organization (TPO), and the FDOT is providing oversight of this federally funded City project through the LAP.

AT A GLANCE.

Client Contact
Alejandro A. Leon, MsEM, PE
Senior Project Manager
8935 NW 35th Lane, Suite 200
Doral, Florida 33172
786.257.3119 | ALeon@APCTE.com

Contract Value
$33,393

Contract Period
6/2020 – Ongoing

Project Type
Advisory Services

Project Highlights
- Level I Contamination Screening
- Level II Contamination Screening
- Florida Bonneted bat limited roost survey
- Section 4(f) assistance
- Public meeting support
- Final NEPA document (Type I Categorical Exclusion)
- Environmental permitting support to include Class VI DERM permitting and SFWMD permit exemptions.

Key Staff
- Nadia Locke, PE, LEED AP
- Gayle Stone, MS

NW North River Drive is currently a two-lane roadway with no median. There are existing sidewalks on the west side of NW 24th Avenue and along the Miami River (Miami Riverwalk Path), as well as sidewalks on the north side of NW North River Drive in the eastern portion of the project. This project includes improvements to existing sidewalks, and the inclusion of a multi-use path on the south side of NW North River Drive, connecting with the Miami Riverwalk Path as part of the Miami River Greenway. The existing land use within 500 feet of the project corridor is predominantly fixed single-family units.

The purpose of the project is to enhance the results of the completed Miami River Greenway segments and increase and enhance the safety of all non-motorized users (pedestrians, wheelchair users and bicyclists) traversing along the Miami River and the NW North River Drive roadway. The Miami River Greenway project from NW 36th Street to NW 12th Avenue is in the Miami-Dade County TPO's 2035 Long Range Transportation Plan (LRTP) under non-motorized projects and the Miami River Greenway Streetscape – Curtis Park East is included in the State Transportation Improvement Program (STIP). The project is compatible with the goals of the Miami-Dade County Comprehensive Development Master Plan and City of Miami Comprehensive Neighborhood Plan.

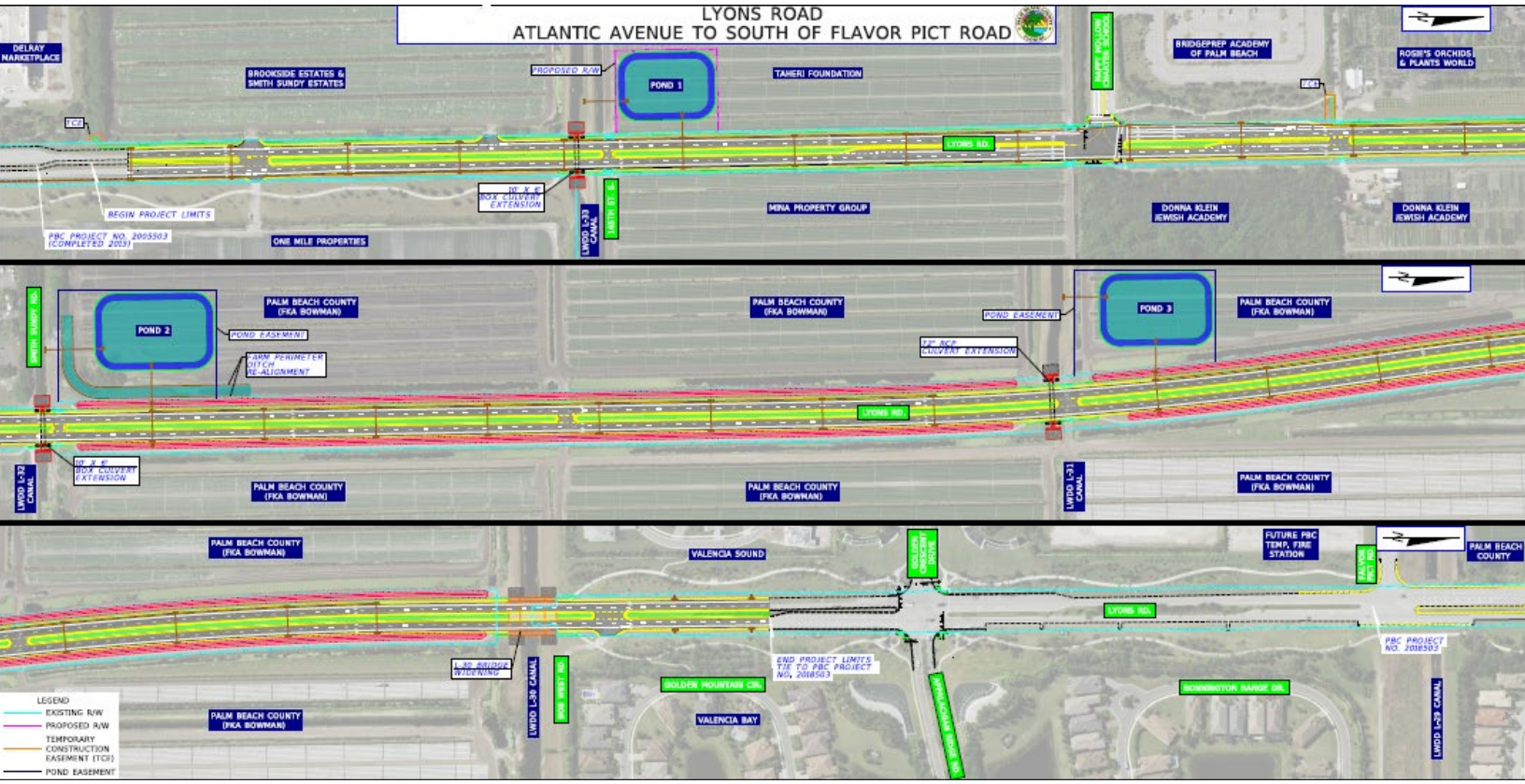
RES is providing environmental support to satisfy the FDOT's NEPA compliance requirements including the following scope of services:

- Level I Contamination Screening
- Level II Contamination Screening

- Florida Bonneted bat limited roost survey
- Section 4(f) assistance
- Public meeting support
- Final NEPA document (Type I Categorical Exclusion)
- Environmental permitting support to include Class VI DERM permitting and SFWMD permit exemptions

Lyons Road from Atlantic to South of Flavor Pict Road

PBC Roadway Production/ Scalar Consulting Group



This project required the subsurface exploration of approximately 1.5 miles of roadway extending from W. Atlantic Avenue to South of Flavor Pict Road for the widening and reconstruction of the Lyons Road from a two-lane roadway to a fourlane divided highway including the replacement/widen of the bridge south of Flavor Pict Road.

PACIFICA scope of services included the completion of a subsurface investigation, Exfiltration Tests, laboratory testing program and geotechnical engineering analysis. Our report summarized the results of the work and lab testing that was performed and provided recommendations regarding compaction recommendations, general site preparation criteria and a muck delineation plans to remedy organic materials that were encountered in the project. The geotechnical engineering reports also includes evaluations and recommendations regarding driven concrete pile axial capacity, drilled shaft axial capacity, Augercast piles capacities, construction considerations, and monitoring of existing structures.

PACIFICA ENGINEERING SERVICES

Location
Palm Beach County, FL

Dates
2022-Ongoing

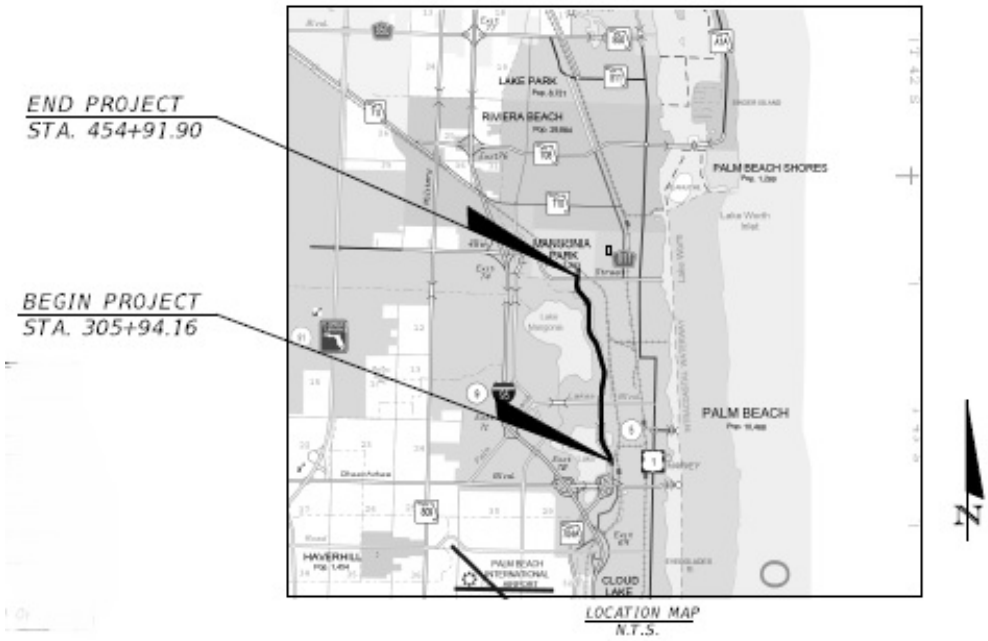
Reference
John Whitaker, PE
(561) 429-5065

Relevance to the Scope

1. Subsurface investigation experience
2. Roadway widening geotechnical support
3. Bridge foundation capacity evaluation
4. Compaction & site prep
5. Muck remediation recommendations
6. Pile and shaft capacity
7. Soil and lab testing
8. Monitoring existing structures
9. Exfiltration system analysis
10. Construction feasibility assessments

Australian Avenue, Banyan Boulevard to 45th Street

PBC Roadway Production/ HSQ Group Inc.



Australian Avenue Reconstruction and Drainage Improvements required the subsurface exploration of approximately 3 miles of roadway extending from Banyan Boulevard to 45th Street including the reconstruction/widening of 2 Bridges along the corridor.

PACIFICA scope of services included the completion of a subsurface investigation, laboratory testing program and geotechnical engineering analysis. Our report summarized the results of the work and lab testing that was performed and provided recommendations regarding compaction recommendations, general site preparation criteria and a muck delineation plans to remedy organic materials that were encountered throughout the project. The geotechnical engineering reports also includes evaluations and recommendations regarding driven concrete pile axial capacity, drilled shaft axial capacity, Augercast piles capacities, construction considerations, and monitoring of existing structures.

Location
Palm Beach County, FL

Dates
2022-Ongoing

Reference
Nour Shehadeh, PE
(561) 392-0221

Relevance to the Scope

1. Subsurface roadway exploration experience
2. Bridge reconstruction and widening
3. Geotechnical investigation and analysis
4. Laboratory soil testing expertise
5. Foundation design recommendations
6. Muck removal planning experience
7. Pile capacity evaluations
8. Utility and structure coordination

PACIFICA ENGINEERING SERVICES

City of Lake Worth Beach ADA Improvements Local Agency Program (LAP) Project, Palm Beach County
Client: WGI, Inc.
Reference: Stephen Cherry, PE, Director, Municipal Services; (562)-209-7781; Stephen.Cherry@wgiinc.com
Janus Research provided cultural resources services for this City of Lake Worth for this LAP project. All work was conducted in compliance with the Stipulation VII of the Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida (Section 106 Programmatic Agreement), Section 106 of National Historic Preservation Act (NHPA) of 1966 and the revised Chapter 267, Florida Statutes (F.S.). This project included reconstructing curb ramps at 523 locations throughout the City of Lake Worth Beach.

The purpose of this analysis was to provide cultural resource information to assist in the avoidance of resources listed in, determined eligible for, or considered eligible for listing in the National Register of Historic Places (National Register) according to the criteria set forth in 36 CFR Section 60.4 and to identify any historic properties that may be affected by the proposed project improvements. Due to the limited nature of the improvements, the area of potential effect for both archaeological sites and historic resources focused on the footprint of the improvements. No previously recorded archaeological sites were identified within the project area. The Old Lucerne Historic Residential District was identified but the field survey identified no historic material associated with this district within the area of potential effect (APE).

Oakland Park Sidewalks Local Agency Program (LAP) Project, Broward County, Florida
Client: Florida Department of Transportation, District Four
Reference: Lynn Kelly, Senior Environmental Specialist, FDOT D4 PLEMO; (954) 777-4334; Lynn.Kelley@dot.state.fl.us
Janus Research provided cultural resources services to the Florida Department of Transportation District Four for this LAP project. All work was conducted in compliance with the Stipulation VII of the Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida (Section 106 Programmatic Agreement), Section 106 of National Historic Preservation Act (NHPA) of 1966 and the revised Chapter 267, Florida Statutes (F.S.). The project scope included pedestrian improvements at various locations within the current roadway right of way (ROW).

The purpose of this analysis was to provide cultural resource information to assist in the avoidance of resources listed in, determined eligible for, or considered eligible for listing in the National Register of Historic Places (National Register) according to the criteria set forth in 36 CFR Section 60.4 and to identify any historic properties that may be affected by the proposed project improvements. Due to the limited nature of the improvements, the area of potential effect (APE)for both archaeological sites and historic resources focused on the footprint of the improvements. No previously recorded archaeological sites were identified within the project area. The survey identified no archaeological sites or historic resources.

SE Walton Road Local Agency Program (LAP) Project from SE Lennard Road to SE Green River Parkway, St. Lucie County
Client: Kimley Horn
Reference: Brian Good, P.E., Senior Vice President; 772-794-4083;
Brian.Good@kimley_horn.com

Janus Research provided cultural resources services for this St. Lucie County pedestrian improvement project. All work was conducted in compliance with the Stipulation VII of the Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida (Section 106 Programmatic Agreement), Section 106 of National Historic Preservation Act (NHPA) of 1966 and the revised Chapter 267, Florida Statutes (F.S.). The project scope included pedestrian improvements at various locations within the current roadway right of way (ROW).

The purpose of this analysis was to provide cultural resource information to assist in the avoidance of resources listed in, determined eligible for, or considered eligible for listing in the National Register of Historic Places (National Register) according to the criteria set forth in 36 CFR Section 60.4 and to identify any historic properties that may be affected by the proposed project improvements. Due to the limited nature of the improvements, the area of potential effect (APE) for both archaeological sites and historic resources focused on the footprint of the improvements. No previously recorded archaeological sites were identified within the project area. The survey identified no archaeological sites. While SE Walton Road is historic, background research and a field survey determined that the historic route of this resource is located adjacent to and outside of the current historic resources APE.

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 1

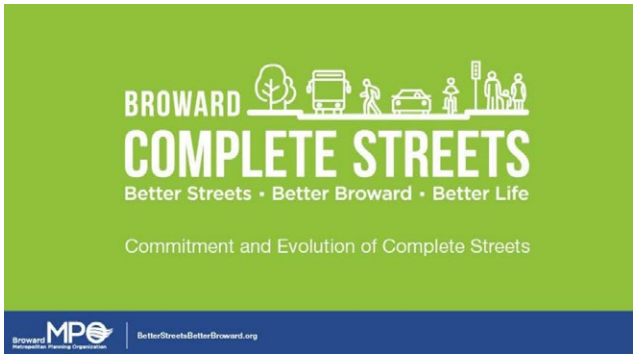
21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Broward MPO Quick Build Program – Complete Streets Initiative, Broward County, Florida	*Ongoing*	

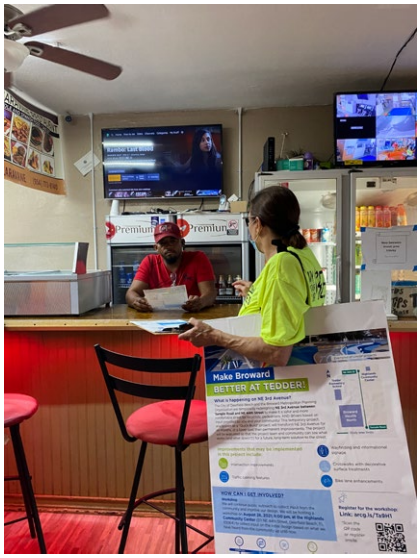
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Broward MPO	Maurene S. Balmaseda,	954.235.8407

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

As subconsultant, MRG provides professional technical services in support of developing the Broward MPO's inaugural Tactical Urbanism/Quick Build Program, which included attending or assisting with the Let's Go Walking!, Let's Go Biking!, and Ciclovia project unveiling events.





25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	*Media Relations Group, LLC*	*Fort Lauderdale, FL*	*Public Involvement Services*
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 2

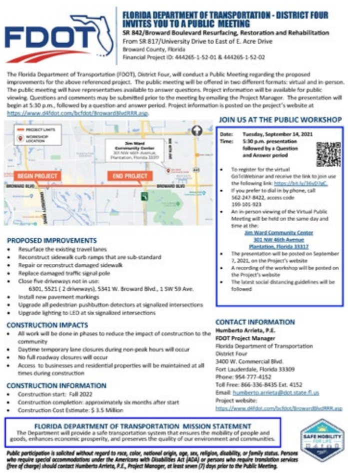
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
FDOT District Four SR 842/Broward Boulevard Resurfacing, Restoration and Rehabilitation, Fort Lauderdale, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION *(If applicable)* N/A

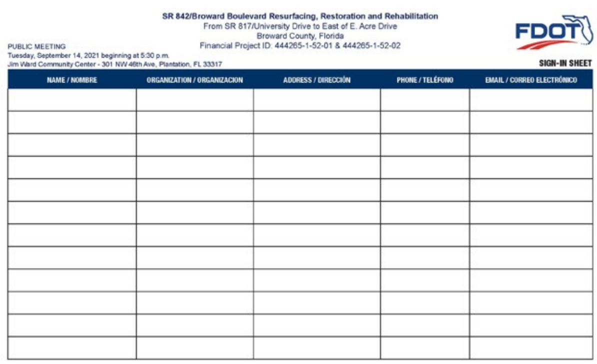
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT	Cairo Cangas, PE, Consultant/FDOT	786.316.7844

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

Media Relations Group, LLC (MRG) was contracted to provide all public involvement services on this Broward Boulevard Resurfacing, Restoration and Rehabilitation contract, which includes the design and preparation of informational materials for outreach events. Materials developed include, project area maps, newspaper advertisements, social meeting notices, name tags, comment box inserts, sign-in sheets, and comment forms.





25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Media Relations Group, LLC	Fort Lauderdale FL	Public Involvement Services
b.			
c.			
d.			
e.			
f.			

Business Certifications and Licenses

HBC and its subconsultants are fully certified, licensed, and authorized to conduct business in the State of Florida. Included below are current corporate charters, licenses, registrations, and specialty certifications, confirming our good standing and qualifications to perform the requested services.

HBC Engineering Company | Company Licensure

State of Florida
Department of State

I certify from the records of this office that HBC ENGINEERING COMPANY is a corporation organized under the laws of the State of Florida, filed on June 15, 2006.

The document number of this corporation is P06000082280.

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 2, 2025, and that its status is active.

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

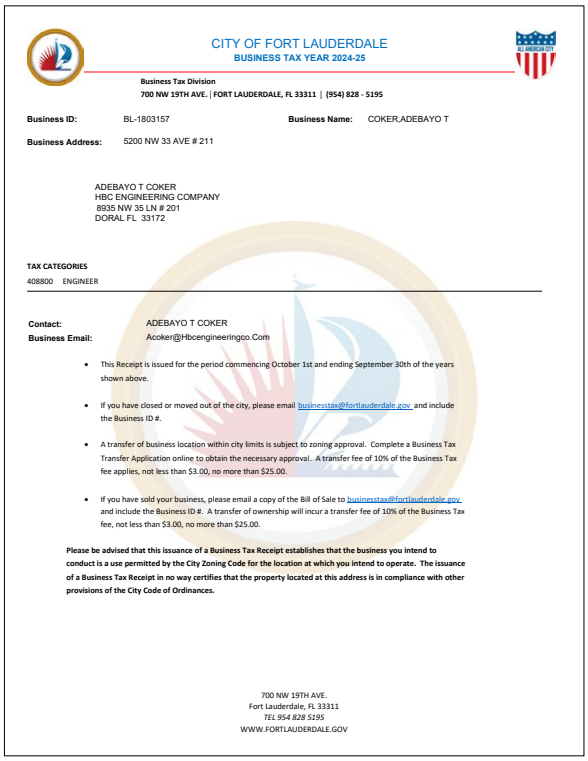
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Second day of January, 2025

Secretary of State

Tracking Number: 9678191690CC

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
BUSINESS TAX YEAR 2024-25

Business Tax Division
700 NW 19TH AVE. | FORT LAUDERDALE, FL 33311 | (954) 828 - 5195

Business ID: BL-1803157 **Business Name:** COKER,ADEBAYO T

Business Address: 5200 NW 33 AVE # 211

ADEBAYO T COKER
HBC ENGINEERING COMPANY
8935 NW 35 LN # 201
DORAL FL 33172

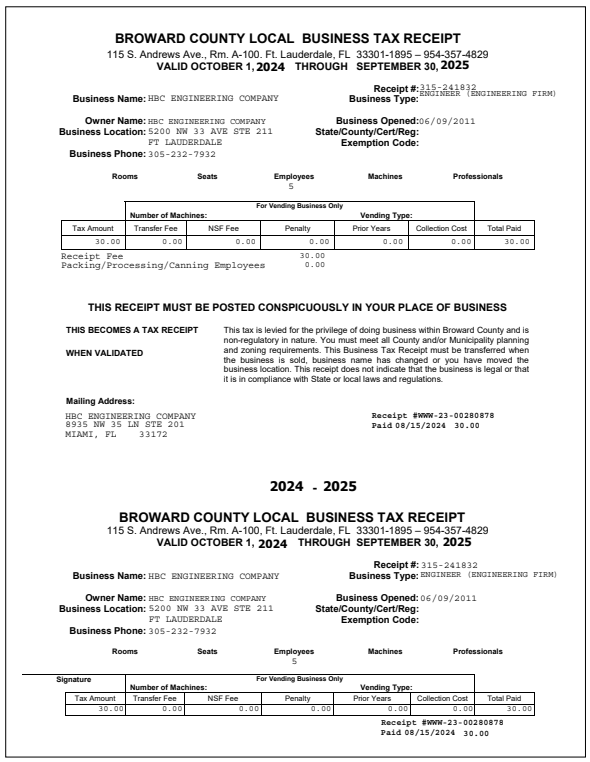
TAX CATEGORIES
408800 ENGINEER

Contact: ADEBAYO T COKER
Business Email: Acoker@Hbcengineeringco.Com

- This Receipt is issued for the period commencing October 1st and ending September 30th of the years shown above.
- If you have closed or moved out of the city, please email businesstax@fortlauderdale.gov and include the Business ID #.
- A transfer of business location within city limits is subject to zoning approval. Complete a Business Tax Transfer Application online to obtain the necessary approval. A transfer fee of 10% of the Business Tax fee applies, not less than $3.00, no more than $25.00.
- If you have sold your business, please email a copy of the Bill of Sale to businesstax@fortlauderdale.gov and include the Business ID #. A transfer of ownership will incur a transfer fee of 10% of the Business Tax fee, not less than $3.00, no more than $25.00.

Please be advised that this issuance of a Business Tax Receipt establishes that the business you intend to conduct is a use permitted by the City Zoning Code for the location at which you intend to operate. The issuance of a Business Tax Receipt in no way certifies that the property located at this address is in compliance with other provisions of the City Code of Ordinances.

700 NW 19TH AVE.
Fort Lauderdale, FL 33311
TEL 954 828 5195
WWW.FORTLAUDERDALE.GOV



BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Business Name: HBC ENGINEERING COMPANY
Receipt #: 315-241832
Business Type: ENGINEER (ENGINEERING FIRM)

Owner Name: HBC ENGINEERING COMPANY
Business Location: 5200 NW 33 AVE STE 211 FT LAUDERDALE
Business Phone: 305-232-7932
Business Opened: 06/09/2011
State/County/Cert/Reg:
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		5		

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

Receipt Fee 30.00
Packing/Processing/Canning Employees 0.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:
HBC ENGINEERING COMPANY
8935 NW 35 LN STE 201
MIAMI, FL 33172

Receipt #WWW-23-00280878
Paid 08/15/2024 30.00

2024 - 2025

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Business Name: HBC ENGINEERING COMPANY
Receipt #: 315-241832
Business Type: ENGINEER (ENGINEERING FIRM)

Owner Name: HBC ENGINEERING COMPANY
Business Location: 5200 NW 33 AVE STE 211 FT LAUDERDALE
Business Phone: 305-232-7932
Business Opened: 06/09/2011
State/County/Cert/Reg:
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		5		

Signature

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

Receipt #WWW-23-00280878
Paid 08/15/2024 30.00

6/12/24, 8:45 AM DBPR - HBC ENGINEERING COMPANY, Engineering Business Registry

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

dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

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

LICENSEE DETAILS *8:44:36 AM 6/12/2024*

Licensee Information

Name:	**HBC ENGINEERING COMPANY** (Primary Name)
Main Address:	**8935 NW 35TH LANE SUITE 201 DORAL Florida 33172**
County:	**DADE**
License Mailing:	**18842 SW 74TH COURT CUTLER BAY FL 33157**
County:	**DADE**

License Information

License Type:	**Engineering Business Registry**
Rank:	**Registry**
License Number:	**27160**
Status:	**Current**
Licensure Date:	**09/15/2006**
Expires:	

Special Qualifications	Qualification Effective

Alternate Names

View Related License Information
View License Complaint

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

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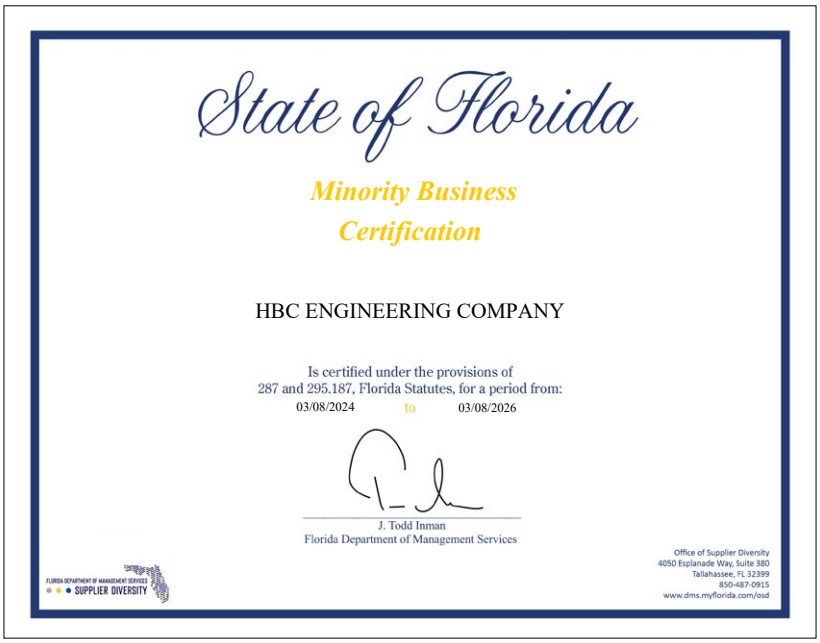
Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. "Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee.

https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B79B489E1E60D07D184DF6BABE922351 1/2



State of Florida

Minority Business Certification

HBC ENGINEERING COMPANY

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
03/08/2024 to 03/08/2026

J. Todd Inman
Florida Department of Management Services

FLORIDA DEPARTMENT OF MANAGEMENT SERVICES SUPPLIER DIVERSITY

Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd

FDOT

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

July 01, 2025

Adebayo Coker, President
HBC ENGINEERING COMPANY
8935 NW 35th Lane
Suite 201
Doral, FL 33172
acoker@hbcengineeringco.com

Dear Mr. Coker:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following professional services types of work per Rule 14-75, F.A.C.:

2.0 - Project Development & Environmental (PD&E) Studies

3.1 - Minor Highway Design
3.2 - Major Highway Design
3.3 - Controlled Access Highway Design

5.4 - Bridge Load Rating

6.1 - Traffic Engineering Studies
6.2 - Traffic Signal Timing
6.3.1 - Intelligent Transportation Systems Analysis and Design
6.3.2 - Intelligent Transportation Systems Implementation
6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications
6.3.4 - Intelligent Transportation Systems Software Development

7.1 - Signing, Pavement Marking and Channelization
7.2 - Lighting
7.3 - Signalization

10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection
10.4 - Minor Bridge & Miscellaneous Structures CEI

13.3 - Policy Planning
13.4 - Systems Planning
13.5 - Subarea/Corridor Planning

1

13.7 - Transportation Statistics

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2026, for contracting purposes.

Approved Rates

Home Overhead	Field Overhead	Facilities Capital Cost of Money (FCCM)	Premium Overtime	Home Direct Expense	Field Direct Expense	Published Fee Schedule
151.50%	115.12%	0.163%	Reimbursed	0.00%	0.38%	No

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at FDOT.PSPrequalification@dot.state.fl.us.

Sincerely,

Philip Pitts
Professional Services Qualification Administrator
PP/YG

2

MIAMI-DADE COUNTY
miamidade.gov

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

May 3, 2023

Adebayo Coker
HBC Engineering Company
8935 NW 35th Lane, Ste. 201
Doral, FL 33172

Approval Date: May 3, 2023 Small Business Enterprise - Architectural & Engineering (SBE-A&E)
Expiration Date: May 31, 2026

Dear Adebayo Coker,

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 2-8.1.1.1.1; 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, affiliations(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.**

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/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/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.

Sincerely,

Jeanise Cummings-Labossiere
Section Chief, Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)

MDC-TCC 01-01: URBAN AREA AND REGIONAL TRANSPORTATION PLANNING
MDC-TCC 01-02: MASS AND RAPID TRANSIT PLANNING
MDC-TCC 03-01: SITE DEVELOPMENT AND PARKING LOT DESIGN
MDC-TCC 03-02: MAJOR HIGHWAY DESIGN
MDC-TCC 03-02B: MINOR HIGHWAY DESIGN
MDC-TCC 03-04: TRAFFIC ENGINEERING STUDIES
MDC-TCC 03-05: TRAFFIC COUNTS
MDC-TCC 03-06: TRAFFIC CALMING
MDC-TCC 03-07: TRAFFIC SIGNAL TIMING
MDC-TCC 03-09: SIGNING, PAVEMENT MARKING, AND CHANNELIZATION
MDC-TCC 03-10: LIGHTING
MDC-TCC 03-11: SIGNALIZATION
MDC-TCC 05-01: ENGINEERING DESIGN
MDC-TCC 05-05: CARGO TERMINAL DESIGN
MDC-TCC 05-07: SECURITY SYSTEMS
MDC-TCC 06-01: WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION
MDC-TCC 06-02: WATER AND SANITARY SEWAGE PUMPING FACILITIES
MDC-TCC 06-03: WATER AND SANITARY SEWAGE TREATMENT PLANTS
MDC-TCC 10-01: STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES
MDC-TCC 11: GENERAL STRUCTURAL ENGINEERING
MDC-TCC 13: GENERAL ELECTRICAL ENGINNERING
MDC-TCC 16: GENERAL CIVIL ENGINEERING
MDC-TCC 17: ENGINEERING CONSTRUCTION MANAGEMENT
MDC-TCC 26: CLAIMS ANALYSIS SERVICES
NAICS 541330: ENGINEERING SERVICES

MIAMI-DADE COUNTY
miamidade.gov

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

May 3, 2023

Adebayo Coker
HBC Engineering Company
8935 NW 35th Lane, Ste. 201
Doral, FL 33172

Approval Date: May 3, 2023 Small Business Enterprise - Goods & Services (SBE-G&S)
Expiration Date: May 31, 2026

Dear Adebayo Coker,

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 2-8.1.1.1.1; 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.**

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.**

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Sincerely,

Jeanise Cummings-Labossiere
Section Chief, Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)

NIGP 90740: ENGINEERING SERVICES, NON-LICENSED (NOT OTHERWISE CLASSIFIED), INCLUDING CONSULTING
NIGP 91800: CONSULTING SERVICES
NIGP 91812: ANALYTICAL PREDICTIVE STUDIES AND SURVEYS CONSULTING
NIGP 91819: BUILDINGS, STRUCTURES AND COMPONENTS CONSULTING
NIGP 91841: ENERGY CONSERVATION CONSULTING
NIGP 91843: ENVIRONMENTAL CONSULTING
NIGP 91846: FEASIBILITY STUDIES, CONSULTING
NIGP 91849: FINANCE AND ECONOMICS CONSULTING
NIGP 92500: ENGINEERING SERVICES, PROFESSIONAL
NIGP 92517: CIVIL ENGINEERING
NIGP 92528: DRAINAGE ENGINEERING
NIGP 92535: ENVIRONMENTAL ENGINEERING
NIGP 92536: ENGINEERING SERVICES (NOT OTHERWISE CLASSIFIED)
NIGP 92544: GENERAL CONSTRUCTION: MANAGEMENT, SCHEDULING, COST ESTIMATION ENGINEERING
NIGP 92556: INSPECTING, STRUCTURAL ENGINEERING
NIGP 92587: SEWAGE COLLECTION, TREATMENT, AND DISPOSAL ENGINEERING
NIGP 92588: STRUCTURAL ENGINEERING
NIGP 94821: CONSULTING
NIGP 96100: MISCELLANEOUS SERVICES, NO. 1 (NOT OTHERWISE CLASSIFIED)
NIGP 96121: COST ESTIMATING
NIGP 96145: INSPECTION AND CERTIFICATION SERVICES

MIAMI-DADE COUNTY
Daniella 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

April 16, 2025

Adebayo Coker
HBC Engineering Company
9675 NW 117th Ave., Suite 305
Miami, FL 33178

Approval Date: April 16, 2025 - Disadvantaged Business Enterprise (DBE)
Anniversary Date: July 25, 2026

Dear Adebayo Coker,

Miami-Dade County Office of Small Business Development (SBD), 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/EqualOpportunityOfficeBusinessDirectory/.

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 sbdcert@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

MIAMI-DADE COUNTY
Daniella 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

April 16, 2025

Adebayo Coker
HBC Engineering Company
9675 NW 117th Ave., Suite 305
Miami, FL 33178

Approval Date: April 16, 2025 - Local Development Business (LDB)
Anniversary Date: July 25, 2026

Dear Adebayo Coker,

Miami-Dade County Office of Small Business Development (SBD), has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Miami-Dade County Local Developing Business (LDB) in accordance with section of the code of Miami-Dade County.

LDB 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. Failure to comply with the said responsibilities may result in immediate action to decertify the firm.

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, affiliations(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 Business Management Workforce System (BMWS). Notification should include supporting documentations. 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.**

Please note that the categories listed are very general and are used only to assist our customers in searching the directory for certified firms to meet contract goals. You can find the firm's up-to-date certification profile as well as all other certified firms on the Miami-Dade County Internal Services Department, Small Business Development certified firms' directory at the website http://www.miamidade.gov/smallbusiness/certification-programs.asp.

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.

Sincerely,

Jeanise Cummings-Labossiere
Section Chief, Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)

NAICS 541330: ENGINEERING SERVICES

Florida UCP DBE Directory

Number of Vendors Returned: 1
Selection Criteria:
Vendor : HBC ENGINEERING COMPANY

Vendor Name: HBC ENGINEERING COMPANY
DBE: CERTIFIED **MBE:** CERTIFIED **ACDBE Status:** N **SBE:** Y **Avail Statewide:** Y

Anniversary Date: 01/09/2021 **First Certification Date:** 05/01/2009

Business Description: ENGINEERING SERVICES

Mailing Address: 8935 NW 35TH LANE
SUITE 201
DORAL FL 33172

Contact Name: ADEBAYO COKER **Phone:** (305)232-7932 **Fax:** (305)232-7933
Email: ACOKER@HBCENGINEERINGCO.COM **Web Site:**

Certified NAICS
541330 Engineering Services

Run on : 09/27/2024
Page: 1

GPI Geospatial, Inc. | Company Licensure

State of Florida
Department of State

I certify from the records of this office that GPI GEOSPATIAL, INC. is a corporation organized under the laws of the State of Florida, filed on December 29, 2003.

The document number of this corporation is P04000000100.

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 16, 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 Sixteenth day of January, 2025

Secretary of State

Tracking Number: 5601882567CC

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

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

2025

LOCAL BUSINESS TAX RECEIPT

CITY OF DORAL, FLORIDA
8401 NW 53RD TERRACE
DORAL, FL 33166
(305) 593-6631

09/30/2024 — LICENSE NO. 2021008532

GPI GEOSPATIAL INC — License Fee Paid: $60.00

GPI GEOSPATIAL INC
8935 NW 35 LN 100
Doral, FL 33172

FOR THE PERIOD COMMENCING OCTOBER 1 AND ENDING SEPTEMBER 30, THE ABOVE-NAMED BUSINESS IS LICENSED TO ENGAGE IN THE FOLLOWING BUSINESS FOR THE LICENSE YEAR:

P.A./CORP/PARTNERSHIP/FIRM

Square Footage: 2434 — Machines: — State License #: LB6748
No. of Seats/Tables: 0 — Employees: 8
No. of Units/Spaces: — No. of Trucks:

CONDITIONS:

DORAL: PROFESSIONAL SURVEYOR AND MAPPER BUSINESS OFFICE, NO OUTSIDE STORAGE OR DISPLAYS, OFFICE USE ONLY, DRY USE ONLY.

Kenia Palau
Chief Licensing Official

This Document Must Be Posted

5/9/25, 7:39 PM — DBPR - GPI SOUTHEAST, INC., Engineering Business Registry

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

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

ONLINE SERVICES

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

LICENSEE DETAILS — *7:39:24 PM 5/9/2025*

Licensee Information

Name:	GPI SOUTHEAST, INC. (Primary Name)
Main Address:	3555 TIMBERLANE SCHOOL ROAD TALLAHASSEE Florida 32312
County:	LEON
License Mailing:	3555 TIMBERLANE SCHOOL ROAD TALLAHASSEE FL 32312
County:	LEON

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	27260
Status:	Closed
Licensure Date:	12/11/2006
Expires:	

Special Qualifications — **Qualification Effective**

Alternate Names

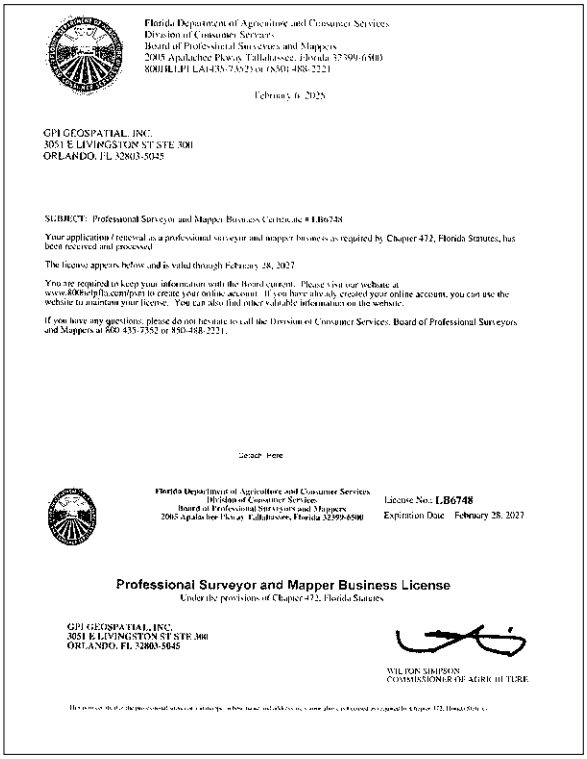
View Related License Information
View License Complaint

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

The State of Florida is an AA/EEO employer. Copyright ©2023 Department of Business and Professional Regulation - State of Florida. Privacy Statement

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

https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=D07AB38AA2D6B26E143E9582CDE30FA — 1/2



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy, Tallahassee, Florida 32399-6500
800.HELPFLA (435-7352) or (850) 488-2221

February 6, 2025

GPI GEOSPATIAL, INC.
3051 E LIVINGSTON ST STE 300
ORLANDO, FL 32803-5045

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB6748

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

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

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

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 850 433-7352 or 850-488-2221.

Detach Here

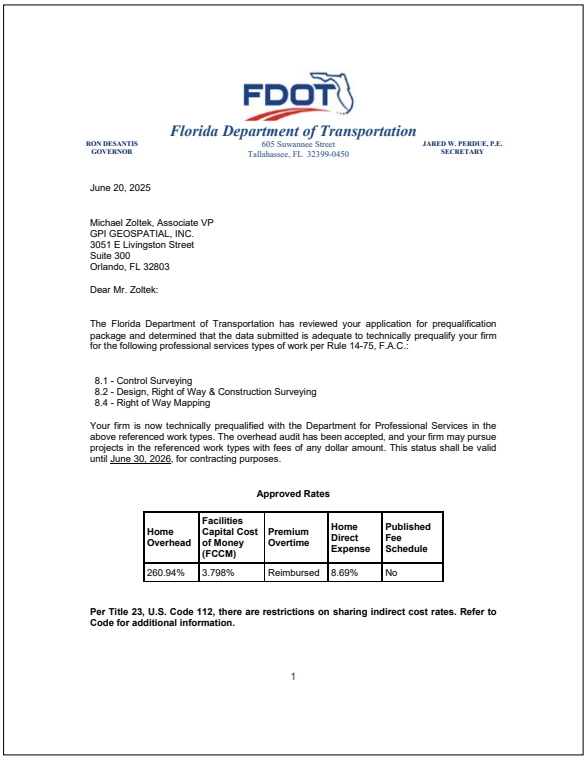
Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy, Tallahassee, Florida 32399-6500

License No.: LB6748
Expiration Date: February 28, 2027

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

GPI GEOSPATIAL, INC.
3051 E LIVINGSTON ST STE 300
ORLANDO, FL 32803-5045

WILSON SIMPSON
COMMISSIONER OF AGRICULTURE



FDOT

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

June 20, 2025

Michael Zoltek, Associate VP
GPI GEOSPATIAL, INC.
3051 E Livingston Street
Suite 300
Orlando, FL 32803

Dear Mr. Zoltek:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following professional services types of work per Rule 14-75, F.A.C.:

8.1 - Control Surveying
8.2 - Design, Right of Way & Construction Surveying
8.4 - Right of Way Mapping

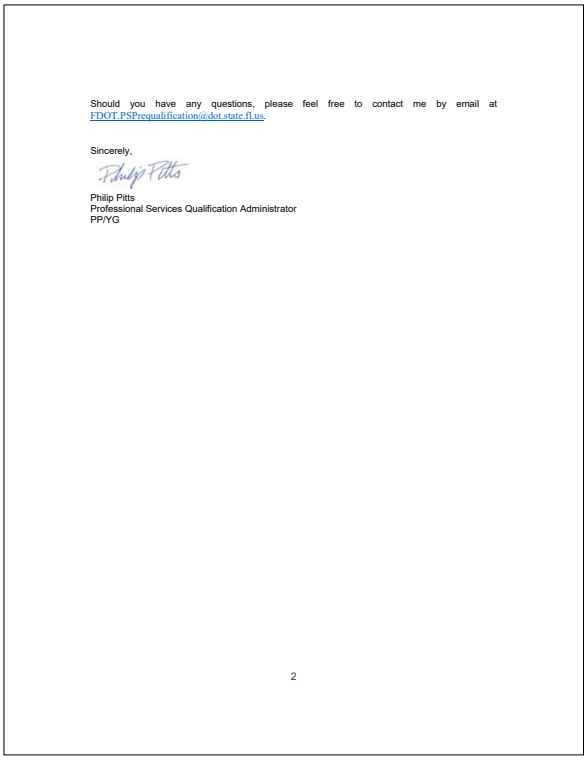
Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2026, for contracting purposes.

Approved Rates

Home Overhead	Facilities Capital Cost of Money (FCCM)	Premium Overtime	Home Direct Expense	Published Fee Schedule
260.94%	3.798%	Reimbursed	8.69%	No

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

1



Should you have any questions, please feel free to contact me by email at FDOT.PSPrequalification@dot.state.fl.us.

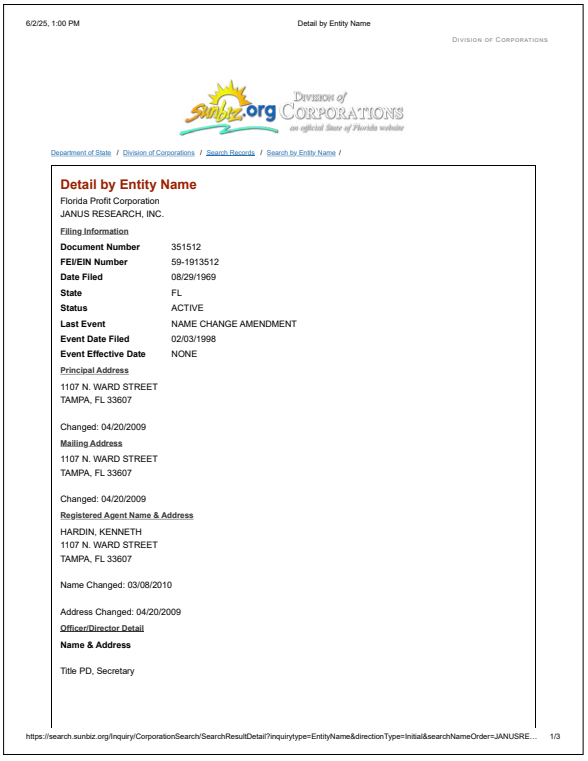
Sincerely,

Philip Pitts

Philip Pitts
Professional Services Qualification Administrator
PP/YG

2

Janus Research, Inc. | Company Licensure



6/2/25, 1:00 PM Detail by Entity Name

Division of Corporations

Sunbiz.org 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

Florida Profit Corporation
JANUS RESEARCH, INC.

Filing Information

Document Number	351512
FEI/EIN Number	59-1913512
Date Filed	08/29/1969
State	FL
Status	ACTIVE
Last Event	NAME CHANGE AMENDMENT
Event Date Filed	02/03/1998
Event Effective Date	NONE

Principal Address

1107 N. WARD STREET
TAMPA, FL 33607

Changed: 04/20/2009

Mailing Address

1107 N. WARD STREET
TAMPA, FL 33607

Changed: 04/20/2009

Registered Agent Name & Address

HARDIN, KENNETH
1107 N. WARD STREET
TAMPA, FL 33607

Name Changed: 03/08/2010

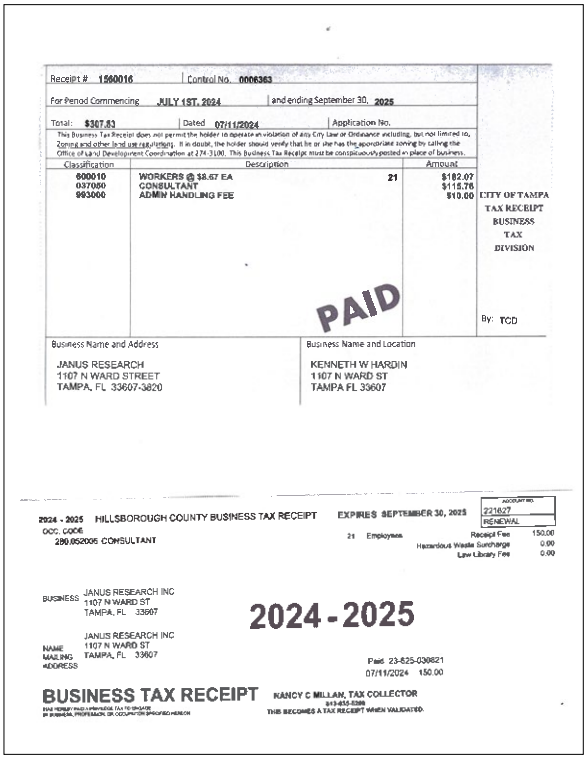
Address Changed: 04/20/2009

Officer/Director Detail

Name & Address

Title PD, Secretary

https://search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquiryType=EntityName&directionType=Initial&searchNameOrder=JANUSRE... 1/3



Receipt # 1560016 | Control No. 0006363

For Period Commencing JULY 1ST, 2024 and ending September 30, 2025

Total: $307.83 | Dated 07/11/2024 | Application No.

This Business Tax Receipt does not permit the holder to operate in violation of any City Law or Ordinance including, but not limited to, Zoning and other land use regulations. If in doubt, the holder should verify that he or she has the appropriate zoning by calling the Office of Land Development Coordination at 274-3100. This Business Tax Receipt must be conspicuously posted in place of business.

Classification	Description		Amount
600010	WORKERS @ $8.67 EA	21	$182.07
037080	CONSULTANT		$115.76
993000	ADMIN HANDLING FEE		$10.00

CITY OF TAMPA
TAX RECEIPT
BUSINESS
TAX
DIVISION

PAID

By: TCD

Business Name and Address
JANUS RESEARCH
1107 N WARD STREET
TAMPA, FL 33607-3820

Business Name and Location
KENNETH W HARDIN
1107 N WARD ST
TAMPA FL 33607

2024 - 2025 HILLSBOROUGH COUNTY BUSINESS TAX RECEIPT EXPIRES SEPTEMBER 30, 2025

ACCOUNT NO. 221627 RENEWAL

OCC. CODE 260.052005 CONSULTANT

21 Employees

Receipt Fee 150.00
Hazardous Waste Surcharge 0.00
Law Library Fee 0.00

BUSINESS JANUS RESEARCH INC
1107 N WARD ST
TAMPA, FL 33607

NAME JANUS RESEARCH INC
MAILING 1107 N WARD ST
ADDRESS TAMPA, FL 33607

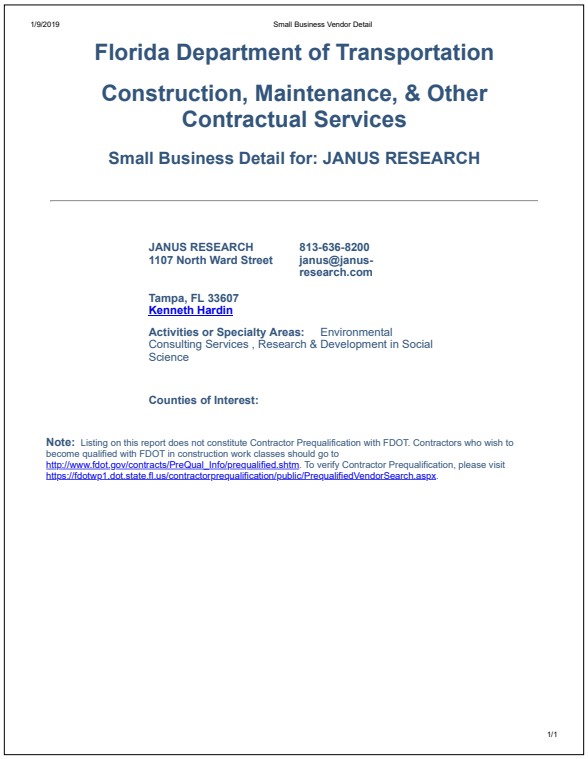
2024 - 2025

Paid 23-825-030821
07/11/2024 150.00

BUSINESS TAX RECEIPT

NANCY C MILLAN, TAX COLLECTOR

THIS BECOMES A TAX RECEIPT WHEN VALIDATED



1/9/2019 Small Business Vendor Detail

Florida Department of Transportation

Construction, Maintenance, & Other Contractual Services

Small Business Detail for: JANUS RESEARCH

JANUS RESEARCH
1107 North Ward Street

Tampa, FL 33607
Kenneth Hardin

813-636-8200
janus@janus-research.com

Activities or Specialty Areas: Environmental Consulting Services , Research & Development in Social Science

Counties of Interest:

Note: Listing on this report does not constitute Contractor Prequalification with FDOT. Contractors who wish to become qualified with FDOT in construction work classes should go to http://www.fdot.gov/contracts/PreQual_Info/prequalified.shtm. To verify Contractor Prequalification, please visit https://fdotwp1.dot.state.fl.us/contractorprequalification/public/PrequalifiedVendorSearch.aspx.

1/1

KCI Technologies, Inc. | Company Licensure

State of Florida
Department of State

I certify from the records of this office that KCI TECHNOLOGIES, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on April 19, 1989.

The document number of this corporation is P23975.

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 8, 2025, and that its status is active.

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

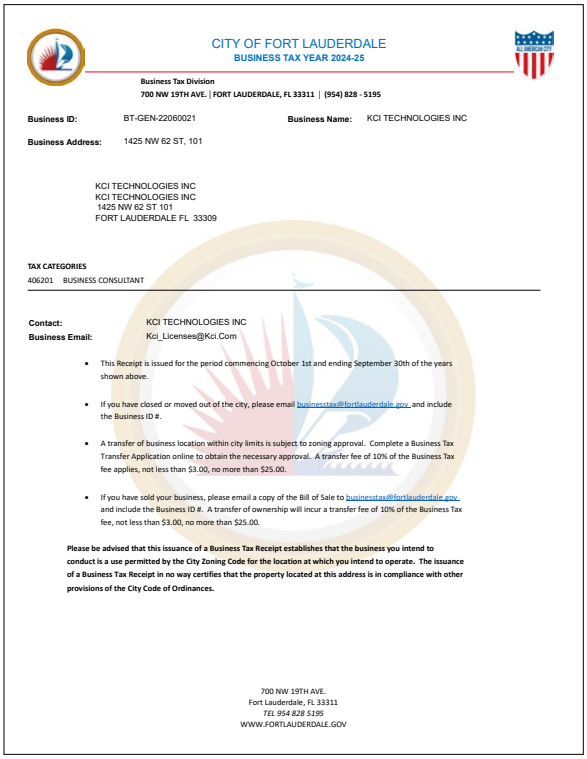
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eighth day of January, 2025

Secretary of State

Tracking Number: 002924112 3CU

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
BUSINESS TAX YEAR 2024-25

Business Tax Division
700 NW 19TH AVE. | FORT LAUDERDALE, FL 33311 | (954) 828 - 5195

Business ID: BT-GEN-22060021 **Business Name:** KCI TECHNOLOGIES INC

Business Address: 1425 NW 62 ST, 101

KCI TECHNOLOGIES INC
KCI TECHNOLOGIES INC
1425 NW 62 ST 101
FORT LAUDERDALE FL 33309

TAX CATEGORIES
406201 BUSINESS CONSULTANT

Contact: KCI TECHNOLOGIES INC
Business Email: Kci_Licenses@Kci.Com

- This Receipt is issued for the period commencing October 1st and ending September 30th of the years shown above.
- If you have closed or moved out of the city, please email businesstax@fortlauderdale.gov and include the Business ID #.
- A transfer of business location within city limits is subject to zoning approval. Complete a Business Tax Transfer Application online to obtain the necessary approval. A transfer fee of 10% of the Business Tax fee applies, not less than $3.00, no more than $25.00.
- If you have sold your business, please email a copy of the Bill of Sale to businesstax@fortlauderdale.gov and include the Business ID #. A transfer of ownership will incur a transfer fee of 10% of the Business Tax fee, not less than $3.00, no more than $25.00.

Please be advised that this issuance of a Business Tax Receipt establishes that the business you intend to conduct is a use permitted by the City Zoning Code for the location at which you intend to operate. The issuance of a Business Tax Receipt in no way certifies that the property located at this address is in compliance with other provisions of the City Code of Ordinances.

700 NW 19TH AVE.
Fort Lauderdale, FL 33311
TEL 954 828 5195
WWW.FORTLAUDERDALE.GOV

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100. Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Receipt #: 316-297151
Business Name: KCI TECHNOLOGIES INC
Business Type: ARCHITECT (LANDSCAPE ARCHITECT BUSINESS)
Owner Name: KCI TECHNOLOGIES INC
Business Opened: 02/21/2019
Business Location: 1425 W CYPRESS RD STE 101 FT LAUDERDALE
State/County/Cert/Reg:
Exemption Code:
Business Phone: 4103167800

Rooms	Seats	Employees	Machines	Professionals
		77		

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

Receipt Fee 45.00
Packing/Processing/Canning Employees 0.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:

KCI TECHNOLOGIES INC
936 RIDGEBROOK RD
SPARKS, MD 21152-9390

Receipt #WWW-23-00288714
Paid 09/09/2024 45.00

2024 - 2025

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Receipt #: 316-297151
Business Name: KCI TECHNOLOGIES INC
Business Type: ARCHITECT (LANDSCAPE ARCHITECT BUSINESS)
Owner Name: KCI TECHNOLOGIES INC
Business Opened: 02/21/2019
Business Location: 1425 W CYPRESS RD STE 101 FT LAUDERDALE
State/County/Cert/Reg:
Exemption Code:
Business Phone: 4103167800

Rooms	Seats	Employees	Machines	Professionals
		77		

Signature
For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

Receipt #WWW-23-00288714
Paid 09/09/2024 45.00

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

dbpr Florida Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

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

LICENSEE DETAILS *11:02:33 AM 2/29/2024*

Licensee Information

Name:	REED, BRUCE K (Primary Name)
	KCI TECHNOLOGIES INC (DBA Name)
Main Address:	1000 SW 14TH DR BOCA RATON Florida 33486
County:	PALM BEACH

License Information

License Type:	Registered Landscape Architect
Rank:	Landscape Arc
License Number:	LA0001479
Status:	Current,Active
Licensure Date:	08/28/1993
Expires:	11/30/2025

Special Qualifications **Qualification Effective**

Alternate Names

View Related License Information
View License Complaint

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

The State of Florida is an AA/EEO employer. Copyright 2007-2010 State of Florida. Privacy Statement

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

FDOT
Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

June 25, 2025

Randell Prescott, Florida CEI Practive LDR
KCI TECHNOLOGIES, INC.
150 Kelsey Lane
Tampa, FL 33619

Dear Mr. Prescott:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following professional services types of work per Rule 14-75, F.A.C.:

2.0 - Project Development & Environmental (PD&E) Studies

3.1 - Minor Highway Design
3.2 - Major Highway Design
3.3 - Controlled Access Highway Design

4.1.1 - Miscellaneous Structures
4.1.2 - Minor Bridge Design
4.2.1 - Major Bridge Design - Concrete
4.2.2 - Major Bridge Design - Steel

5.4 - Bridge Load Rating

6.1 - Traffic Engineering Studies
6.2 - Traffic Signal Timing
6.3.1 - Intelligent Transportation Systems Analysis and Design
6.3.2 - Intelligent Transportation Systems Implementation
6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications

7.1 - Signing, Pavement Marking and Channelization
7.2 - Lighting
7.3 - Signalization

8.1 - Control Surveying
8.2 - Design, Right of Way & Construction Surveying
8.4 - Right of Way Mapping

9.4.1 - Standard Foundation Studies

10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection
10.4 - Minor Bridge & Miscellaneous Structures CEI
10.5.1 - Major Bridge CEI - Concrete

11.0 - Engineering Contract Administration and Management

13.3 - Policy Planning
13.4 - Systems Planning
13.5 - Subarea/Corridor Planning
13.6 - Land Planning/Engineering
13.7 - Transportation Statistics

15.0 - Landscape Architect

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2026, for contracting purposes.

Approved Rates

Home Overhead	Field Overhead	Facilities Capital Cost of Money (FCCM)	Premium Overtime	Home Direct Expense	Field Direct Expense	Published Fee Schedule
167.68%	120.15%	0.496%	Reimbursed	6.81%	11.92%	No

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at FDOT.PSPrequalification@dot.state.fl.us.

Sincerely,

P. Philip Pitts

Philip Pitts
Professional Services Qualification Administrator
PP/YG

Media Relations Group, LLC | Company Licensure

5/9/25, 7:34 PM Detail by Entity Name

Division of Corporations

Sunbiz.org 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

Florida Limited Liability Company
MEDIA RELATIONS GROUP, LLC

Filing Information

Document Number	L03000027416
FEI/EIN Number	20-0118620
Date Filed	07/25/2003
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	04/09/2004
Event Effective Date	NONE

Principal Address

14707 SOUTH DIXIE HWY
SUITE 404
MIAMI, FL 33176

Changed: 01/16/2019

Mailing Address

14707 SOUTH DIXIE HWY
SUITE 404
MIAMI, FL 33176

Changed: 01/16/2019

Registered Agent Name & Address

GONZALEZ, OSCAR III
14707 SOUTH DIXIE HWY
SUITE 404
MIAMI, FL 33176

Name Changed: 02/16/2011

Address Changed: 01/16/2019

Authorized Person(s) Detail

Name & Address

Title MGR

https://search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquirytype=EntityName&directionType=Initial&searchNameOrder=MEDIARE... 1/3

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Receipt #: 327-9553
Business Name: MEDIA RELATIONS GROUP LLC **Business Type:** BUSINESS/FINANCIAL/CONSULTANT (PUBLIC RELATIONS CONSULTANT)

Owner Name: MEDIA RELATIONS GROUP LLC **Business Opened:** 07/12/2004
Business Location: 110 E BROWARD BLVD STE 1758 FT LAUDERDALE **State/County/Cert/Reg:** **Exemption Code:**
Business Phone: 786-280-6645

Rooms	Seats	Employees	Machines	Professionals
		4		

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
33.00	3.30	0.00	0.00	0.00	0.00	36.30

Receipt Fee 33.00
Packing/Processing/Canning Employees 0.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:

MEDIA RELATIONS GROUP LLC
110 E BROWARD BLVD STE 1758
PORT LAUDERDALE, FL
33301-3503

Receipt #WWW-23-00271249
Paid 07/15/2024 36.30

2024 - 2025

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Receipt #: 327-9553
Business Name: MEDIA RELATIONS GROUP LLC **Business Type:** BUSINESS/FINANCIAL/CONSULTANT (PUBLIC RELATIONS CONSULTANT)

Owner Name: MEDIA RELATIONS GROUP LLC **Business Opened:** 07/12/2004
Business Location: 110 E BROWARD BLVD STE 1758 FT LAUDERDALE **State/County/Cert/Reg:** **Exemption Code:**
Business Phone: 786-280-6645

Rooms	Seats	Employees	Machines	Professionals
		4		

Signature

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
33.00	3.30	0.00	0.00	0.00	0.00	36.30

Receipt #WWW-23-00271249
Paid 07/15/2024 36.30

FDOT

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

This Office has completed a review of the self-certification information submitted by Media Relations Group, LLC for the period ending December 31, 2024. Direct expenses (COGS) were removed from the Overhead Rate calculation. The rates we have accepted are listed below. ***This Firm is not a Professional Services Firm as defined by Rule Chapter 14-75.***

REVIEW OF SELF-CERTIFICATION

CONSULTANT NAME	Media Relations Group, LLC	F/Y Ended	12/31/24	Rate Expiration Date	7/1/26
CPA'S NAME	Self-Certification	DATE OF RECEIPT	7/7/25	Cert. DATE	6/17/25

REPORT STATUS

ACCEPTED	REJECTED	OT PREMIUM	Reimb. Actual Expenses
X		Reimbursed (Excludes or Rounds)	YES

COST BASED RATES

OVERHEAD		DIRECT EXPENSE			
Home	Field	Home	Field	FCCM	Published Fee Schedule
111.33%				0.000%	NO

***** This firm can only be used to perform non-professional services. If your services fall into one of FDOT's standard work types for professional services as defined in Rule 14-75, F.A.C., you must be pre-qualified as a professional services firm. Please reach out to the State Professional Services Engineer or State Procurement Manager for additional questions.***

FID # 20-0118620

BROWARD COUNTY FLORIDA
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

CERTIFIED

OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

THIS CERTIFICATE IS AWARDED TO

MEDIA RELATIONS GROUP, LLC

AS SET FORTH IN THE BROWARD COUNTY BUSINESS OPPORTUNITY ACT THE CERTIFICATION REQUIREMENTS HAVE BEEN MET FOR:

County Business Enterprise (CBE) and Small Business Enterprise (SBE)

SANDY-MICHAEL MCDONALD Digitally signed by SANDY-MICHAEL MCDONALD Date: 2024.07.24 13:42:29 -04'00'

AUTHORIZED REPRESENTATIVE

Anniversary Date: July 16th

THE OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT MUST BE NOTIFIED WITHIN 30 DAYS OF ANY MATERIAL CHANGES IN THE BUSINESS WHICH MAY AFFECT OWNERSHIP AND CONTROL. FAILURE TO DO SO MAY RESULT IN THE REVOCATION OF THIS CERTIFICATE AND/OR IMPOSITION OF OTHER SANCTIONS.

A SERVICE OF THE BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
BROWARD.ORG/SMALLBUSINESS

GOVERNMENTAL CENTER ANNEX 115 S. ANDREWS AVENUE, ROOM A680 FORT LAUDERDALE, FL 33301
TEL: 954-357-6400 • FAX: 954-357-5674 • TTY: 954-357-5664

State of Florida

Woman & Minority Business Certification

Media Relations Group, LLC

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
11/16/2023 to 11/16/2025

J. Todd Inman
Florida Department of Management Services

FLORIDA DEPARTMENT OF MANAGEMENT SERVICES
SUPPLIER DIVERSITY

Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd

Pacifica Engineering Services, LLC | Company Licensure

State of Florida
Department of State

I certify from the records of this office that PACIFICA ENGINEERING SERVICES, LLC is a limited liability company organized under the laws of the State of Florida, filed on August 17, 2017.

The document number of this limited liability company is L17000176490.

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 11, 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 Eleventh day of January, 2025

Secretary of State

Tracking Number: 2737592863CC

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

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

008527

Local Business Tax Receipt
Miami–Dade County, State of Florida
–THIS IS NOT A BILL – DO NOT PAY

LBT

7299175

BUSINESS NAME/LOCATION
PACIFICA ENGINEERING SERVICES LLC
2158 NW 82ND AVE
DORAL FL 33122–1507

RECEIPT NO.
RENEWAL
7588950

EXPIRES
SEPTEMBER 30, 2025
Must be displayed at place of business
Pursuant to County Code
Chapter 8A – Art. 9 & 10

OWNER
PACIFICA ENGINEERING SERVICES LLC
C/O WESLEY C FOSTER, MGR

Employee(s) 16

SEC. TYPE OF BUSINESS
212 P.A./CORP/PARTNERSHIP/FIRM
R32328

PAYMENT RECEIVED BY TAX COLLECTOR
$72.00 07/10/2024
INT–24–421737

This Local Business Tax Receipt only confirms payment of the Local Business Tax. The Receipt is not a license, permit, or a certification of the holder s qualifications, to do business. Holder must comply with any governmental or nongovernmental regulatory laws and requirements which apply to the business.

The RECEIPT NO. above must be displayed on all commercial vehicles – Miami-Dade Code Sec 8a-276.

For more information, visit www.miamidade.gov/taxcollector

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.gov Tel: (561) 355-2264

LOCATED AT
601 N CONGRESS AVE Ste 303
DELRAY BEACH FL 33445

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
ENGINEER BUSINESS	FOSTER WESLEY CLEMENT	32328	B25.72696 10/22/2024	36.30	B40153927

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2024 / 2025 LOCAL BUSINESS TAX RECEIPT
LBTR Number: 2018107715
EXPIRES: 9/30/2025

This receipt MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

PACIFICA ENGINEERING SERVICES LLC
PACIFICA ENGINEERING SERVICES LLC
601 N CONGRESS AVE STE 303
DELRAY BEACH FL 33445

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

PACIFICA ENGINEERING SERVICES, LLC

1181 S ROGERS CIRCLE, SUITE 3
BOCA RATON FL 33487

LICENSE NUMBER: CA32328

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

FDOT

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

June 16, 2025

Wesley Foster, President
PACIFICA ENGINEERING SERVICES, LLC
601 N Congress Avenue
Suite 303
Delray Beach, FL 33445

Dear Mr. Foster:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following professional services types of work per Rule 14-75, F.A.C.:

9.1 - Soil Exploration
9.2 - Geotechnical Classification Lab Testing
9.3 - Highway Materials Testing
9.4.1 - Standard Foundation Studies
9.5 - Geotechnical Specialty Lab Testing

10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2026, for contracting purposes.

Approved Rates

Home Overhead	Facilities Capital Cost of Money (FCCM)	Premium Overtime	Home Direct Expense	Published Fee Schedule
151.84%	0.000%	Excluded	0.07%	Yes

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

1

State of Florida

Minority Business Certification

Pacifica Engineering Services

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
01/31/2024 to 01/31/2026

J. Todd Inman
Florida Department of Management Services

SUPPLIER DIVERSITY

Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd

Palm Beach County
Office of Equal Business Opportunity

Certifies That

Pacifica Engineering Services, LLC.

Vendor # **VS0000009476**

is a Small/Minority Business Enterprise (S/MBE) as prescribed by section 2-80.21 - 2.80.30 of the Palm Beach County Code for a three year period from
October 25, 2024 to October 24, 2027

The following services and/or products are covered under this certification:

Asphalt Sampling and Inspection Services; Concrete Testing Services; Consulting Services (Not Otherwise Classified); Core Sample (Not Concrete) Testing Services; Environmental Consulting; Environmental Engineering; Geological Consulting and Study; Geotechnical - Soils; Geotechnical Engineering; Inspecting, General/Engineering; Lead and Asbestos Inspection Services; Metal Sampling and Analysis Services; Paint Testing Services; Soil Sampling and Preparation Services; Testing Services; Water Sampling and Analysis Services

Allen Gray, Manager
09/23/2024

Palm Beach County Board of County Commissioners
Maria Sachs, Mayor
Maria G. Marino, Vice Mayor
Gregg K. Weiss
Michael A. Barnett
Marci Woodward
Sara Baxter
Mack Bernard

County Administrator
Verdenia C. Baker

FDOT BROWARD COUNTY FLORIDA LEE COUNTY PORT AUTHORITY GREATER ORLANDO AVIATION AUTHORITY JACKSONVILLE TRANSPORTATION AUTHORITY

Florida Unified Certification Program

Disadvantaged Business Enterprise (DBE)

Certificate of Eligibility

PACIFICA ENGINEERING SERVICES LLC
MEETS THE REQUIREMENTS OF 49 CFR, PART 26
APPROVED NAICS CODES:
541330

Samuel Febres

Samuel Febres (Sammy)
DBE & Small Business Development Manager
Florida Department of Transportation

MIAMI-DADE COUNTY Delivering Excellence Every Day | Tampa International Airport | TALLAHASSEE | Votran

RES Florida Consulting, LLC | Company Licensure

State of Florida
Department of State

I certify from the records of this office that RES FLORIDA CONSULTING, LLC is a limited liability company organized under the laws of the State of Florida, filed on January 19, 2022, effective August 29, 2000.

The document number of this limited liability company is L22000019779.

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 February 11, 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 Thirteenth day of February, 2025

Secretary of State

Tracking Number: 8449116418CU

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

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

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829

VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Receipt #: 315-487
Business Name: PARTLOW PETER K **Business Type:** ENGINEER (ENGINEER)

Owner Name: RES FLORIDA CONSULTING LLC DBA E SCI **Business Opened:** 04/22/2002
Business Location: 200 E DANIA BEACH BLVD STE 10 **State/County/Cert/Reg:**
DANIA BEACH **Exemption Code:**
Business Phone: 9544848500

Rooms	Seats	Employees	Machines	Professionals
		3		

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	4.50	0.00	0.00	34.50

Receipt Fee 30.00
Packing/Processing/Canning Employees 0.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:

PARTLOW PETER K
200 E DANIA BEACH BLVD STE 106
DANIA BEACH, FL 33004-3058

Receipt #WWW-24-00064280
Paid 11/15/2024 34.50

2024 - 2025

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829

VALID OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

Receipt #: 315-487
Business Name: PARTLOW PETER K **Business Type:** ENGINEER (ENGINEER)

Owner Name: RES FLORIDA CONSULTING LLC DBA E SCI **Business Opened:** 04/22/2002
Business Location: 200 E DANIA BEACH BLVD STE 10 **State/County/Cert/Reg:**
DANIA BEACH **Exemption Code:**
Business Phone: 9544848500

Rooms	Seats	Employees	Machines	Professionals
		3		

Signature

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	4.50	0.00	0.00	34.50

Receipt #WWW-24-00064280
Paid 11/15/2024 34.50

Florida dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

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

LICENSEE DETAILS

1:44:01 PM 6/12/2024

This is a business tracking record only.
Click here for information on how to verify that this business is properly licensed.

Licensee Information

Name:	RES FLORIDA CONSULTING, LLC (Primary Name)
	E SCIENCES (DBA Name)
Main Address:	34 EAST PINE STREET ORLANDO Florida 32801
County:	ORANGE

License Information

License Type:	Geology Business Information
Rank:	Business Info
License Number:	1459
Status:	Current
Licensure Date:	11/22/2002
Expires:	7/31/2026

Special Qualifications	Qualification Effective

Alternate Names

Tab D

Organizational Profile and Project Team Qualifications

D. ORGANIZATIONAL PROFILE AND PROJECT TEAM QUALIFICATIONS

This section shall include a detailed profile of the organization and identify the project team. Providing this information on an organizational chart is recommended. This section shall also include resumes of the project team. Lastly include details of how each project team member will contribute to the project, in what capacity, and the level of involvement and their expertise. Provide a comprehensive summary of the experience and qualifications of the individual(s) who will be selected to serve as the project manager(s) for the City on this project.

Company – *3.1 Minor Highway Design & Engineering Design & Support Services*

Founded in 2006, HBC is a Florida-based multidisciplinary engineering firm with over 80 engineers and technicians specializing in planning, design, and construction inspection services for civil, structural, transportation, and water resources projects. HBC offers FDOT prequalified services including 3.1 Minor Highway Design and a wide range of supporting disciplines. We have successfully delivered similar services for clients such as FDOT, MDC-DTPW, MDC-WASD, PortMiami, PBC-WUD, Broward County, FTE, GMX, and PRASA—including a LAP-funded FDOT project in the City of Hollywood delivering 7.5 miles of new sidewalk.

Subconsultant Team

To support the City of Hollywood with a robust and fully capable team, HBC has partnered with six distinguished subconsultant firms—each carefully selected for their technical excellence, relevant LAP/FDOT experience, and immediate availability. These firms bring proven performance histories and specialized qualifications essential to delivering a fully compliant, constructible, and community-centered sidewalk improvement project.

GPI Geospatial, Inc. (GPI) *– Surveying and Mapping Services*

GPI brings over 50 years of experience delivering advanced geospatial services to public and private clients. With licensed surveyors, photogrammetrists, and mapping scientists on staff, GPI will provide topographic and boundary surveys using state-of-the-art remote sensing, LiDAR, and mobile mapping technology. Their precision and responsiveness are critical to meeting FDOT and LAP documentation standards during early project phases. GPI maintains offices in Orlando, Miami, and Tampa, ensuring proximity and availability.

Janus Research, Inc. (JAN) *– Cultural Resource Assessment*

Founded in 1979, Janus Research is one of Florida's leading cultural resource management firms. Their team of qualified historians and archaeologists has completed over 3,000 projects statewide, including numerous LAP assignments. With strong relationships with the Florida SHPO and Tribal Historic Preservation Officers, Janus will ensure that any required cultural documentation is accurate, timely, and fully compliant with Section 106 and FDOT's Programmatic Agreement requirements.

KCI Technologies, Inc. (KCI) *– Landscaping*

KCI is a multidisciplinary engineering firm with over 2,400 professionals and operations across 19 states. Their local Florida team brings specialized capabilities in landscaping, roadway lighting, utility coordination, and traffic operations—all aligned with FDOT standards. KCI's ability to integrate seamlessly with the core team ensures schedule adherence and high-quality technical deliverables, particularly in electrical and utility coordination aspects of the Sheridan Park project.

Media Relations Group, LLC (MRG) – *Public Involvement and Outreach*

MBE/WBE

A woman-owned firm with over 20 years of public involvement experience, MRG specializes in strategic communications and community outreach tailored for transportation projects. Their team—led by Priscila Clawges and Paulette Summers—offers deep expertise in managing multilingual campaigns, facilitating stakeholder meetings, and executing grassroots outreach programs. MRG's familiarity with Broward County and LAP projects makes them a key asset in delivering inclusive and transparent engagement for this project.

Pacifica Engineering Services, LLC (PES) – *Geotechnical Engineering*

DBE/SBE/MBE

A certified DBE and MBE, Pacifica offers civil design, drainage, geotechnical engineering, materials testing, and inspection services. Their South Florida presence and responsiveness make them ideal for supporting permitting efforts and construction-phase readiness. Pacifica's prior experience with FDOT and regional municipalities ensures that their contributions will align with agency expectations and support the delivery of durable and code-compliant infrastructure.

Resource Environmental Solutions, LLC (RES) – *Environmental Engineering and Permitting*

RES is the nation's largest provider of nature-based infrastructure and environmental solutions. Their Florida-based team brings a full suite of services—from NEPA compliance, permitting, and ecological assessments to stormwater and habitat restoration. RES professionals have extensive experience with LAP environmental documentation and coordination with FDEP, USACE, and FDOT, ensuring the project moves efficiently through required environmental reviews

Each of these firms has committed experienced personnel to this contract and confirmed availability aligned with project milestones. Their combined capabilities strengthen the team's overall capacity to deliver a successful, community-focused, and LAP-compliant project for the City of Hollywood.

Technical Capacities of the Team

TABLE 04: FDOT Technical Qualifications Matrix below outlines the FDOT Technical Certification categories held by HBC and its subconsultant team. While the required services for this contract**— 3.1 Minor Highway Design (HBC), and 8.2 Design, Right of Way & Construction Surveying (GPI)—**are fully covered, this chart also demonstrates the depth and versatility of our team. Our firms maintain prequalifications across a wide range of categories, reflecting our capacity to support additional tasks and deliver comprehensive solutions throughout the life of the contract.

TABLE 04: FDOT Technical Qualifications Matrix

TC	Description	HBC	GPI	JRI	KCI	MRG	PES	RES
2.0	Project Development and Environmental (PD&E) Studies	●			●			
3.1	Minor Highway Design	●			●			
3.2	Major Highway Design	●			●			
3.3	Controlled Access Highway Design				●			
4.1.1	Miscellaneous Structures				●			
4.1.2	Minor Bridge Design				●			
4.2.1	Major Bridge Design - Concrete				●			
4.2.2	Major Bridge Design - Steel				●			
5.1	Conventional Bridge Inspection				●			
5.3	Complex Bridge Inspection				●			
5.4	Bridge Load Rating	●			●			
6.1	Traffic Engineering Studies	●			●			
6.2	Traffic Signal Timing	●			●			
6.3.1	Intelligent Transportation Systems Analysis and Design	●			●			
6.3.2	Intelligent Transportation Systems Implementation	●			●			
6.3.3	Intelligent Transportation Traffic Engineering Systems Communications	●			●			
6.3.4	Intelligent Transportation Systems Software Development	●						
7.1	Traffic Operations Design - Signing, Pavement Marking and Channelization	●			●			
7.2	Traffic Operations Design - Lighting	●			●			
7.3	Traffic Operations Design - Signalization	●			●			
8.1	Control Surveying		●		●			
8.2	Design, Right of Way & Construction Surveying		●		●			
8.3	Photogrammetric Mapping		●					
8.4	Right of Way Mapping		●		●			
9.1	Soil Exploration						●	

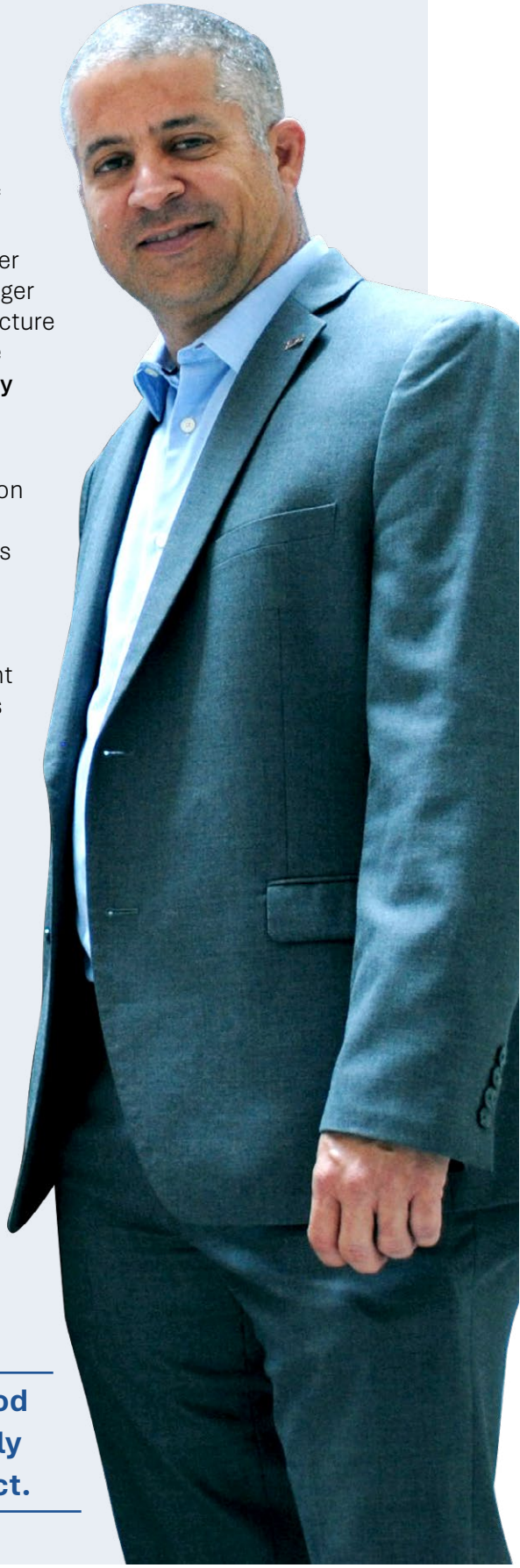
● *FDOT's Technical Certification Required*
● *Other FDOT's Technical Certification*

TABLE 04: FDOT Technical Qualifications Matrix

TC	Description	HBC	GPI	JRI	KCI	MRG	PES	RES
9.2	Geotechnical Classification Laboratory Testing						●	
9.4.1	Standard Foundation Studies				●			
10.1	Roadway Construction Engineering Inspection	●			●		●	
10.3	Construction Materials Inspection	●			●		●	
10.4	Minor Bridge & Miscellaneous Structures CEI	●			●			
10.5.1	Major Bridge CEI - Concrete				●			
11.0	Engineering Contract Administration and Management				●			
13.3	Policy Planning				●			
13.4	Systems Planning	●			●			
13.5	Subarea/Corridor Planning	●			●			
13.6	Land Planning/Engineering	●			●			
13.7	Transportation Statistics	●			●			
15.0	Landscape Architect				●			
N/A	Non-Professional Service Firm			●		●		●

● *FDOT's Technical Certification Required*
● *Other FDOT's Technical Certification*

Project Manager
Hernan Lugo, MS, PE, CFM



HBC is proud to designate **Hernan Lugo, MS, PE, CFM,** as the lead engineer assigned to manage the services outlined in this Request for Qualifications. Hernan is a seasoned Project Manager with 27 years of civil engineering experience, including the past 8 years with HBC, and brings proven expertise in roadway design, drainage design, stormwater management, and utility coordination. He has served as Project Manager and Engineer of Record for numerous local and state-funded infrastructure projects, with a strong emphasis on roadway reconstruction, drainage upgrades, pedestrian safety enhancements, and flood mitigation—**key priorities for the City.**

Hernan's technical leadership spans the full project lifecycle, from concept development and permitting through design and construction support. He is highly experienced in coordinating across agencies and disciplines to deliver complex, multi-jurisdictional improvements involving ADA compliance, multimodal transportation design, and stormwater systems. His in-depth knowledge of South Florida's regulatory environment and permitting processes, coupled with a successful record managing projects with municipal, state, and grant funding, make him exceptionally qualified to lead services under this continuing contract.

Hernan holds active licensure as a Professional Engineer in the State of Florida & Texas and meets and exceeds the qualification requirements outlined in this RFQ. As a Certified Floodplain Manager and Florida Certified Building Contractor, he offers a comprehensive, multidisciplinary approach to resilient and efficient infrastructure design. **His resumes is on pages 87. Copies of professional credentials are provided on page 169 of this package.**

Below are some of his representative project experience:

- NW 25th Street Reconstruction
- SR-7/US-441 Transit Corridor Improvements LAP Project – Task 1
- NE 2nd Avenue Reconstruction
- NW 84th Avenue Reconstruction
- Central District Wastewater Treatment Plant (CDWWTP) Oxygen Production Facility
- FDOT District 6 – RRR Projects Scoping Reports
- I-75/Alligator Alley Rest Area & Education Center Master Plan
- SR 817/University Drive Operations & Safety Improvements

Hernan's leadership ensures the City of Hollywood will receive responsive, qualified, and technically sound support throughout the life of this contract.

Project Team

Adebayo Coker, PE | Principal-in-Charge; PD&E Studies Lead

Adebayo specializes in Project Development & Environment (PD&E) studies, multimodal planning, and complete streets design. With over 33 years of experience and 19 years at HBC, he has managed planning and design initiatives for FDOT, the City of Hollywood, and Miami-Dade County. His expertise includes corridor studies, traffic operations, drainage system integration, signalization, lighting, and public engagement. Adebayo led the PD&E study for **Johnson Street in Hollywood** and served as Project Manager for **SR-7/ US-441 Transit Corridor Improvements** and **NE 2nd Avenue Reconstruction.** A licensed PE in Florida, he holds FDOT certifications in QA/QC, Advanced MOT, and Asphalt Paving. Adebayo is committed to creating safer, more connected transportation networks that meet community and stakeholder needs.

Edgardo Diaz, MS, PE, PSM | QA/QC Manager

Edgar specializes in civil engineering, utility infrastructure, and construction management, with 37 years of experience overseeing high-profile public works and transportation projects. As HBC's Chief Principal Engineer, he leads multidisciplinary teams through the planning, design, and construction of pump stations, force mains, and complex roadway systems—including lighting, signalization, and drainage. Edgar has served as Principal in Charge or QA/QC Manager on numerous FDOT and LAP-funded projects, including the **Donald Ross Road Bascule Bridge, Seminole Pratt Whitney Road Widening,** and **SR-7/ US-441 Intersection Improvements.** He has played a key role in **over 100 Consent Decree infrastructure upgrades** for the Miami-Dade Water and Sewer Department (WASD), as well as major signalization and CEI assignments for Palm Beach County. A licensed PE in Florida and Puerto Rico and a Professional Surveyor and Mapper (PSM), Edgar is also certified in Advanced MOT, OSHA 30-Hour, and holds a Remote Pilot Certificate. Known for his strategic project controls, stakeholder coordination, and QA/ QC oversight, Edgar is committed to optimizing public infrastructure through sustainable and cost-effective engineering solutions.

Jose A. Lopez, PE | Minor Highway Design Lead

Jose specializes in roadway design, signalization, storm drainage, and utility relocations, with 20 years of civil engineering experience supporting FDOT, Miami-Dade County, and local agencies. As HBC's Chief Principal Engineer for Roadway Design, he has served as Engineer of Record on major corridor reconstructions, intersection safety upgrades, and signalization improvements. His portfolio includes the **NE 2nd Avenue Reconstruction, SR-7/US-441 Transit Corridor Improvements,** and multiple FDOT District 6 signal retrofit projects. Jose is proficient in ICPR V4, FDOT Specifications Package Preparation, and Temporary Traffic Control (TTC) design. A licensed PE in Florida and Puerto Rico, he is known for his effective interdisciplinary coordination and commitment to designing safe, multimodal infrastructure that enhances traffic operations and pedestrian safety.

Claudia Bustamante, MS, PE | Civil, S&PM, and Channelization Lead

Claudia specializes in transportation engineering, traffic operations, and project development studies, with 21 years of experience delivering mobility and safety improvements throughout Florida. As a Chief Engineer at HBC, she leads planning and design for corridor reconstructions, PD&E studies, traffic modeling, and multimodal infrastructure. Claudia has managed projects for FDOT Districts 4, 5, and 6, Miami-Dade County, and the City of Hollywood—serving as Engineer of Record for signalization, signing and pavement marking (S&PM), traffic calming, school zone safety upgrades, and advanced traffic management systems (ATMS). Her recent leadership on the **Johnson Street PD&E Study in Hollywood** exemplifies her ability to integrate complete streets, transit access, and drainage improvements within constrained rights-of-way. Claudia is a licensed PE in Florida and holds certifications in Advanced MOT, 3D modeling, and DOT specifications. Named 2024 ASCE Engineer of the Year, she is known for developing context-sensitive, data-driven solutions that balance safety, efficiency, and community needs.

Juan J. Flores Jr., PhD | Transit and Transportation Planning Lead

Juan specializes in multimodal transportation planning, freight and transit systems, and quality assurance management. With 24 years of experience across federal, state, and local agencies—including FDOT, MDOT, TxDOT, and the Miami-Dade TPO—Juan brings a uniquely interdisciplinary approach to mobility planning, PD&E studies, and infrastructure assessments. At HBC, he serves as Chief Designer for planning projects, leading long-range transportation, environmental resilience, and intermodal freight initiatives. His portfolio includes the **Johnson Street Complete Streets PD&E Study, Miami-Dade's South Corridor TOD Master Plan,** and **transit policy development across Georgia, Maryland, and Florida.** A former FDOT State Administrator for Freight, Logistics and Passenger Operations, Juan has also advised on freight mobility for Port Manatee and coordinated quality control on megaprojects in the Middle East. He holds a PhD in Business Operations and is certified by AICP, MIT, and Rutgers in transportation systems and logistics. Juan is known for aligning multimodal infrastructure projects with safety, sustainability, and policy goals.

Gonzalo Barrera, PE | Signalization Engineering Lead

Gonzalo specializes in roadway design, signalization, and temporary traffic control, with 7 years of experience delivering transportation infrastructure improvements across Miami-Dade and Broward Counties. As a licensed PE and Project Engineer at HBC, he supports the design and modeling of signal upgrades, multimodal facilities, and safety improvements for state and local agencies. His portfolio includes **SR-7/US-441 Transit Corridor Improvements, NE 2nd Avenue Design-Build,** and **SR-817/University Drive** widening. Gonzalo is highly proficient in 3D roadway modeling using MicroStation and OpenRoads Designer, and holds Advanced TTC certification. He regularly develops signing and pavement marking plans, calculates earthwork quantities, and prepares traffic control sequencing to minimize disruptions. Known for his attention to ADA compliance and MOT phasing, Gonzalo brings technical precision to every stage of design development.

Orlando Penate, PE, EE, IMSA II | Lighting & Electrical Lead

Orlando specializes in roadway lighting design, electrical engineering, and signalized intersection safety improvements, with 19 years of experience and over 8 years at HBC. As a Senior Electrical Engineer and Engineer of Record, he has led lighting and power distribution design on FDOT and county projects throughout South Florida. His expertise spans photometric analysis, LED retrofits, EV charging infrastructure, and post-design QA/QC services. Notable assignments include the **SR-7/ US-441 Transit Corridor Improvements, SW 344th Street Park and Ride Expansion,** and **lighting retrofits for more than 120 signalized intersections** across FDOT Districts 4 and 6. Orlando is a licensed PE in Florida and an IMSA Level III Traffic Signal Field Technician, with certifications in AGI-32, Advanced MOT, and Florida Building Code. He is recognized for his ability to coordinate across disciplines and agencies to deliver safe, efficient, and sustainable lighting systems that meet evolving transportation demands.

Moatz Saad, PhD, PE, PTOE | Traffic Enigneering & Safety Studies Lead

Dr. Saad specializes in traffic engineering, roadway safety, and microsimulation modeling, with 13 years of experience applying advanced data analytics and simulation tools to support public infrastructure projects. As a Senior Engineer at HBC, he leads traffic studies, safety evaluations, and corridor operational analyses for FDOT, Miami-Dade County, and the Greater Miami Expressway Agency (GMX). His expertise includes Synchro/VISSIM modeling, Highway Safety Manual (HSM) analysis, signal timing optimization, traffic forecasting, and multimodal impact assessments. Dr. Saad has served as Traffic Lead or Project Manager for the **Johnson Street PD&E Study,** the **SR-7/US-441 Transit Corridor Improvements,** and the **ATMS Implementation for Miami-Dade.** He holds a PhD in Civil Engineering, is a licensed PE (NC), PTOE, and IMSA Level II Traffic Signal Technician, and is certified in SAS Data Mining and FSUTMS Modeling. Widely published in peer-reviewed transportation journals, Dr. Saad integrates simulation and field data to deliver context-sensitive mobility solutions grounded in safety, efficiency, and innovation.

Sreelatha Nandivada, MS, PE | Miscellaneous Structures Lead

Sreelatha specializes in structural engineering, with over 22 years of experience in bridge design, load rating, and the evaluation of transportation and coastal infrastructure. As a Senior Engineer at HBC, she leads structural modeling and analysis for steel and concrete bridges, pedestrian walkways, and retaining walls. Her technical strengths include LRFR and LFD ratings, seismic and foundation design, and the use of advanced tools such as LEAP Bridge, AASHTOWare BrR, STAAD.Pro, and RISA 3D. Sreelatha has supported DOTs across Florida, Texas, North Carolina, and Virginia, and has delivered key structural components for projects such as the **SR-7/US-441 Transit Corridor Improvements, JFK Pedestrian Ramp Retaining Wall,** and various FDOT and CTDOT bridge replacements. She is a licensed PE in Florida and 10 additional states and holds certifications in bridge safety inspection and LRFR superstructure analysis. Known for her rigorous analysis and multi-state experience, Sreelatha delivers durable, compliant structural solutions that elevate safety and resilience.

Teodoro Tefel, PE | Maintenance of Traffic (MOT) Lead

Teodoro specializes in roadway design, preliminary engineering reports (PER), and maintenance of traffic (MOT), with 38 years of experience in transportation infrastructure planning, design, and review. As Chief Engineer at HBC, he leads roadway design efforts, signing and pavement marking (S&PM), and traffic control planning for FDOT and local agencies. Teodoro has served as Engineer of Record and Senior Engineer on corridor improvements, major interchanges, and resurfacing initiatives, including the **SR-826/SR-836 Interchange Reconstruction** and the **SR-25/US-27 Okeechobee Road corridor.** He has also served as an in-house consultant for FDOT District 6, reviewing typical sections, variances, and design exceptions. His expertise spans contract development, feasibility alternatives, TTCPs, and coordination with municipalities. A licensed PE in Florida with Advanced MOT certification, Teodoro brings decades of design leadership and QA/QC oversight to complex transportation projects across South Florida.

Christopher Soto, PE, RSO | LAP Compliance Specialist; Constructability Reviews

Chris specializes in construction engineering and inspection (CEI), LAP compliance, and contract administration, with 13 years of experience delivering roadway, bridge, and utility infrastructure projects. As a Senior Project Engineer at HBC, he oversees field inspection teams, manages contractor compliance, and coordinates permitting and documentation for federally funded and LAP projects. Chris has supported clients including FDOT Districts 4 and 6, Miami-Dade County, and the Cities of Doral and Delray Beach. His project portfolio includes the **Cherry Road Improvements in Palm Beach County, NW 25th Street Viaduct Reconstruction,** and the **William Lehman Causeway Force Main installations.** He is a licensed PE in Florida and a Radiation Safety Officer, with certifications in FDOT Advanced MOT, CTQP Earthwork, Asphalt Paving, Final Estimates, Drilled Shafts, and Concrete Field Testing. Chris is known for his proactive conflict resolution, thorough documentation, and expertise in project delivery under complex regulatory frameworks.

Michael Schawe, IMSA I | Construction Administration

Michael specializes in construction engineering and inspection (CEI), constructability reviews, and quality control management, with over 51 years of experience delivering major infrastructure projects for FDOT, CFX, and local agencies. As a CEI Project Administrator at HBC, he manages complex roadway, bridge, lighting, and ITS improvements across FDOT Districts 4, 5, 6, and 8. Michael has served as Senior Project Administrator on LAP and federally funded projects such as **Boynton Beach Boulevard Complete Streets** and the **West Hillsboro Boulevard Bike Lanes and Lighting Project.** His expertise includes asphalt and concrete placement, MOT, drilled shafts, signalization, and post-tensioned bridge construction. He holds multiple FDOT CTQP certifications including Asphalt Paving Levels I & II, Final Estimates, and QC Manager, as well as ACI and IMSA certifications in traffic signal inspection. Known for his in-depth knowledge of FDOT specifications and his ability to coordinate field teams across disciplines, Michael ensures constructability, safety, and compliance on high-stakes transportation projects.

Sonny Abia, PhD, PE | Utility Coordination

Dr. Abia specializes in utility coordination, structural engineering, and permitting for complex infrastructure and transportation projects, with over 35 years of experience. As Chief Engineer at HBC, he leads efforts in utility conflict resolution, QA/QC plan reviews, and regulatory compliance across state and municipal agencies. He has coordinated extensively with FDOT, FTE, and Miami-Dade County on roadway reconstructions, bridge projects, shared-use paths, and 40-year building recertifications. Notable projects include the **SR-7/US-441 Transit Corridor Improvements, NE 2nd Avenue Design-Build, SR-817/University Drive,** and **I-95/St. Lucie West Blvd Interchange.** A licensed PE in Florida with a PhD in Civil Engineering, Dr. Abia is certified in Advanced TTC and has served as Project Manager, QA/QC Reviewer, and Utility Lead across dozens of transportation corridors. Known for his meticulous coordination and multidisciplinary oversight, he ensures efficient delivery of resilient infrastructure solutions from design through certification.

Julia Beliz, EI | GIS Analyst

Julia specializes in GIS analysis, environmental permitting, and technical support for water, wastewater, and transportation infrastructure projects. With 3 years of experience, she has contributed to high-impact public works initiatives throughout Florida and Puerto Rico. At HBC, she supports environmental documentation, sediment control modeling, and utility coordination for clients such as Miami-Dade WASD, PRASA, and the City of Riviera Beach. Julia's technical skills include ArcGIS Pro, AutoCAD, and Python programming, with a focus on integrating spatial data into Preliminary Engineering Reports (PERs), permitting, and NEPA support. Her project experience includes sediment modeling for the **Carraízo Watershed, force main mapping and habitat protection at Camuy-Hatillo WWTP,** and **capacity planning for Miami-Dade's South Corridor.** A licensed Engineer Intern in Florida, Julia brings cross-disciplinary insight and visualization capabilities to ensure compliance, resiliency, and clarity in infrastructure planning.

Akash Bommu, MS | Cost Estimator

Akash specializes in cost estimation, construction scheduling, and BIM coordination for public infrastructure and building projects. With 1 year of experience, he supports HBC's estimating team by preparing construction documentation, quantity takeoffs, and detailed cost forecasts using RS Means, Onscreen Takeoff, and Excel. His project work includes the estimation of ITS and MEP systems for the **FIU Elementary School Construction Estimation Project,** where he performed comprehensive takeoffs and budget planning. Akash also developed detailed schedules for a fire station using Primavera P6 and contributed to sustainability initiatives through advanced concrete materials research during his graduate studies. He brings additional experience in academic instruction, supporting courses in construction management and cost estimating. A LEED Green Associate with OSHA 30-hour training, Akash brings a methodical, safety-conscious approach to delivering accurate, scope-driven estimates that align with agency standards.

Frank Paruas, PSM | Surveying and Mapping Lead

Frank specializes in surveying and mapping with expertise in 3D design surveys, subsurface utility engineering (SUE), and right-of-way mapping. With 24 years of experience across South Florida, he leads GPI Geospatial's survey operations as Project Surveyor and Manager. Frank has managed over 80 task work orders for FDOT District 4, overseeing large-scale survey efforts for highway corridors, intersection signal upgrades, and drainage assessments. His technical strengths include terrestrial and aerial lidar integration, static and mobile scanning, and high-accuracy control networks. Notable projects include **3D surveys along SR 9/I-95, SR 710, and Alligator Alley,** and **right-of-way mapping for Lantana Road.** A licensed Professional Surveyor and Mapper in Florida, Frank is also a member of FSMS and NSPS. He is known for leveraging advanced survey technology to support accurate, efficient, and regulation-compliant infrastructure design.

Nadia G. Locke, PE, LEED AP | Environmental & Permitting Lead

Nadia specializes in environmental engineering, PD&E studies, and NEPA documentation, with over 36 years of experience delivering sustainable solutions for transportation, stormwater, and coastal infrastructure projects. As Environmental Lead at RES, she guides permitting, environmental assessments, and impact mitigation for FDOT and LAP-funded projects across South Florida. Her expertise includes contamination screening, wetlands mitigation, endangered species relocation, environmental justice, and green infrastructure integration. Nadia has managed environmental compliance for the **Avant Garde Sidewalk LAP Project in Hollywood, the Martin Luther King, Jr. Avenue corridor in Pompano Beach,** and the **Jose Marti Park adaptive redesign in Miami.** She is a licensed PE in Florida, LEED AP, and certified FDEP Stormwater Inspector and Instructor. Actively engaged in environmental policy, Nadia serves on the boards of the Florida Brownfields Association and Smart Growth Partnership. She is known for bridging engineering and ecological disciplines to deliver resilient, regulatory-compliant designs with meaningful community impact.

Kenneth Hardin, MA | Cultural Resource Assessment Surveys (CRAS) Lead

Kenneth specializes in cultural resource management, Section 106 compliance, and historic preservation, with over 45 years of experience supporting environmental reviews for transportation infrastructure. As Cultural Assessment Lead and President of Janus Research, he oversees CRAS and Section 4(f) documentation for FDOT and LAP-funded projects across Districts 4 and 6. Kenneth is a court-certified expert witness and a nationally recognized authority in NEPA cultural compliance. He has conducted and led cultural assessments for I-95 PD&E studies across Broward, Palm Beach, and Miami-Dade Counties, evaluating archaeological and historic resources for National Register eligibility. His extensive relationships with SHPO, FHWA, FTA, and federal agencies facilitate streamlined regulatory coordination and creative mitigation strategies. A Registered Professional Archaeologist, Kenneth meets the Secretary of the Interior's Standards and is a founding member of the American Cultural Resource Association. He is known for balancing preservation goals with project timelines to ensure cultural compliance without compromising delivery.

Wesley C. Foster, PE, SI, MBA | Geotechnical Engineering Lead

Wesley specializes in geotechnical engineering, threshold inspections, and construction materials testing, with over a decade of experience supporting private and public infrastructure projects throughout Florida. As Principal Engineer at Pacifica Engineering Services, he leads quality control programs, subsurface investigations, and structural inspections for large-scale vertical and transportation developments. His qualifications include Florida licensure as a PE and Special Inspector, along with certifications from ACI, ICC, and PTI. Wesley has overseen private provider services on projects such as the **FAU Schmidt Family Complex, Wynwood Square,** and **Icon Marina Village**—conducting plan reviews, threshold inspections, vibration monitoring, and foundation testing. He also manages compliance documentation for building departments and ensures adherence to FDOT and local codes. With strong expertise in concrete, soils, asphalt, and steel inspection, Wesley delivers technically rigorous and schedule-driven field engineering solutions.

Todd Mohler, RLA, ISA, IA | Landscaping Architecture Lead

Todd specializes in landscape architecture, irrigation design, and streetscape planning, with 31 years of experience delivering context-sensitive improvements for transportation corridors, urban parks, and environmental campuses. A licensed Landscape Architect in Florida, Georgia, and South Carolina, Todd brings expertise in native plant selection, tree inventories, post-design inspection, and irrigation water management using advanced technologies. His portfolio includes LAP and FDOT-funded enhancements such as the **SR-5/US-1 Overseas Highway beautification in the Florida Keys,** the **SR-75 Urban Swamp concept in Broward County,** and the **SR-426 Complete Streets project in Oviedo.** Todd has supported the Cities of Coconut Creek, Boca Raton, and Miami Beach on streetscape and park design, with responsibilities spanning from concept through final plans and permitting. He holds

multiple certifications from the Irrigation Association (IA) and the International Society of Arboriculture (ISA), including Certified Irrigation Designer, Auditor, and Arborist. Known for his ability to integrate aesthetics with performance and sustainability, Todd delivers public realm enhancements that support resiliency, safety, and long-term maintenance efficiency.

Paulette Summers | Public Involvement Lead

Paulette specializes in public involvement, community engagement, and strategic communications for infrastructure and municipal projects, with 26 years of experience supporting transportation, utility, and urban improvement initiatives across Florida. As the Public Involvement and Communications Lead at MRG, she develops and implements outreach campaigns, public meeting strategies, and stakeholder coordination plans for clients including FDOT Districts 4 and 6, the City of Fort Lauderdale, and the Broward MPO. Paulette's recent work includes public involvement for the Melrose Manors and Riverland Neighborhood Stormwater Improvements, the FDOT Key West Pedestrian Hybrid Beacon (PHB) campaigns, and the Broward MPO's Quick Build Complete Streets Initiative. She creates multilingual materials, manages media coordination, and facilitates communication between project teams and the public. With a background in international business and marketing, Paulette is known for her relationship-building skills, problem-solving under tight deadlines, and ability to foster trust among diverse communities and agencies.

ORGANIZATIONAL CHART

CITY OF Hollywood FLORIDA

Project Manager: **Victoria Ulysse**

LEGEND

Exp. . . . . . Years of Experience
HBC . . . . . HBC Engineering Company (DBE/SBE/MBE)
GPI . . . . . GPI Geospatial, Inc.
KCI . . . . . KCI Technologies, Inc.
RES . . . . . RES Florida Consulting, LLC
PES . . . . . Pacifica Engineering Services, LLC. (DBE/SBE/MBE)
JAN . . . . . Janus Research, Inc.
MRG . . . . . Media Relations Group, LLC (MBE/WBE)

Principal-in-Charge

Adebayo Coker, PE
Exp. 33 | 80% | HBC

Project Manager

Hernan Lugo, MS, PE
Exp. 27 | 95% | HBC

Quality Assurance/Quality Control

Edgar Diaz, MS, PE, PSM
Exp. 37 | 90% | HBC

Engineering Services

3.1 Minor Highway Design

Jose Lopez, PE
Exp. 20 | 75% | HBC
Osmin Ocon, EI
Exp. 3 | 90% | HBC

8.2 Design, Right of Way & Construction Surveying

Frank Paruas, PSM
Exp. 24 | 75% | GPI
Julio Delgado, PSM
Exp. 26 | 90% | GPI
Saul Brand, PSM
Exp. 24 | 90% | GPI

Transit and Transportation Planning

Juan J. Flores Jr., PhD
Exp. 24 | 75% | HBC
Moatz Saad, PhD, PE, PTOE, IMSA II
Exp. 13 | 90% | HBC

Signalization Engineering

Gonzalo Barrera, PE
Exp. 7 | 90% | HBC
Alexander Tzenkov, EI
Exp. 3 | 90% | HBC

Lighting & Electrical Engineering

Orlando Penate, PE, EE, IMSA II
Exp. 19 | 75% | HBC
Maikel Fiallo, PE
Exp. 24 | 90% | HBC

Traffic Engineering & Safety Studies

Moatz Saad, PhD, PE, PTOE, IMSA II
Exp. 13 | 90% | HBC
Jeremy Braithwaite, IMSA II
Exp. 8 | 90% | HBC

Miscellaneous Structures

Sreelatha Nandivada, MS, PE
Exp. 22 | 75% | HBC
Bunrith Heng, MS, PE
Exp. 31 | 90% | HBC

Drainage Engineering

Hernan Lugo, MS, PE
Exp. 27 | 100% | HBC
Alejandra Mendoza-Diaz, EI
Exp. 3 | 90% | HBC

Maintenance of Traffic (MOT)

Teodoro Tefel, PE
Exp. 38 | 90% | HBC
David Coker, EI
Exp. 7 | 90% | HBC

Environmental and Permitting

Nadia G. Locke, PE, LEEP AP
Exp. 36 | 75% | RES
Gayle L. Stone, MS
Exp. 30 | 75% | RES

Cultural Resource Assessment Surveys (CRAS)

Kenneth Hardin
Exp. 45 | 60% | JAN
James Pepe
Exp. 33 | 80% | JAN
Amy Streelman
Exp. 27 | 90% | JAN

Geotechnical Engineering

Wesley C. Foster, PE, SI, MBA
Exp. 12 | 75% | PAC
Reinaldo Villa, MS, PE
Exp. 19 | 90% | PAC

Project Development & Environmental (PD&E) Studies

Adebayo Coker, PE
Exp. 33 | 80% | HBC
Hernan Lugo, MS, PE
Exp. 27 | 95% | HBC

Civil, S&PM and Channelization

Claudia Bustamante, MS, PE
Exp. 21 | 75% | HBC
Ynaja Juste, EI
Exp. 9 | 90% | HBC

Support & Integration Services

ADA Compliance

Hernan Lugo, MS, PE
Exp. 27 | 95% | HBC

LAP Compliance

Christopher Soto, PE, RSO
Exp. 13 | 75% | HBC

Construction Administration

Michael Schawe, IMSA I
Exp. 51 | 75% | HBC

Utility Coordination

Sonny Abia, PhD, PE
Exp. 35 | 75% | HBC
Leandro Vazquez
Exp. 1 | 90% | HBC

GIS Analyst

Julia Beliz, EI
Exp. 3 | 75% | HBC

Constructability Review

Christopher Soto, PE, RSO
Exp. 13 | 75% | HBC

Cost Estimator

Akash Bommu, MS
Exp. 1 | 75% | HBC

Landscape Architecture

Todd Mohler, RLA, ISA, IA
Exp. 31 | 75% | KCI
Kirk Hoosac, RLA
Exp. 20 | 750% | KCI

Public Involvement

Paulette Summers
Exp. 26 | 60% | MRG
Deborah Souverain
Exp. 15 | 80% | MRG
Melany Rodriguez
Exp. 6 | 70% | MRG
Melannie Gomez
Exp. 3 | 90% | HBC

Adebayo Coker, PE

Principal-in-Charge | PD&E Studies

33 Years of Experience

Years with HBC
19 years

Education
B.S. in Civil Engineering, Florida International University (08/13/1992)

Registration(s)
PE (FL) No. 55322 (02/11/2000)

TIN No. C26001866

Licenses & Certifications
FDOT CTQP:

Asphalt Paving Levels 1 and 2

QA/QC Manager

TTC Advanced No. 38977

Expertise
Roadway design, project development and environment (PD&E) studies, construction management, signalization, signing and pavement markings, maintenance of traffic (MOT), transportation planning, safety analysis, quality assurance/quality control (QA/QC).

Adebayo is a highly experienced transportation engineer with extensive expertise in Project Development & Environment (PD&E) and transportation planning. With over three decades of experience, he has successfully led PD&E studies and multimodal transportation planning efforts for major clients, including the Florida Department of Transportation (FDOT), Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Palm Beach County, City of Hollywood, and Greater Miami Expressway Agency (GMX). His expertise includes conducting corridor studies, traffic impact analyses, and environmental assessments to ensure projects align with regulatory compliance and sustainable development goals. Adebayo has played a key role in integrating roadway, transit, and non-motorized transportation improvements into comprehensive plans that enhance mobility and safety. Throughout his career, he has collaborated with government agencies, municipalities, and private stakeholders to develop data-driven solutions that address transportation challenges and improve community connectivity.

City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets PD&E Study. Project Manager and Engineer of Record for this Complete Streets PD&E study on Johnson Street. Responsible for evaluating selected alternatives to reconstruct Johnson Street into a safer, more efficient corridor. The project scope includes designing a new interconnected sidewalk on one side of the street, installing new lighting, fully reconstructing the 2-lane, 2-way roadway with a center turn lane, adding new transit bus stops, and implementing a comprehensive drainage system within the existing Right of Way (ROW). Adebayo's role encompasses conducting a limited topographic survey, collecting extensive data, developing conceptual design alternatives, performing traffic analysis of the alternatives, and coordinating public involvement to align the project with community needs and expectations. *Location: Hollywood, FL. Dates: 03/2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3251, llopez@hollywoodfl.org. Contract Amount: $150K. Contract No.: HOLL-038.*

Florida Department of Transportation (FDOT) District 6, SR-907/Alton Rd Project Development & Environment (PD&E) Study from 5th St to Michigan Ave. FDOT Project Manager responsible for the PD&E Study for improvements to Alton Road from 5th Street to Michigan Avenue. This PD&E Study involved the analysis of the existing conditions, public involvement, identification of preliminary alternatives, selection of Tier 2 alternatives, engineering evaluation of proposed alternatives, identification of preferred alternative, design and development of preferred alternative, and evaluation of the environmental, social, and cultural impacts. The proposed improvements were developed to address safety, drainage, utilities, signalization, bicyclist and pedestrian facilities, traffic flow, existing pavement conditions, lighting, and Traffic Control Plans (TCPs). *Location: Miami-Dade County, FL. Dates: 2007–2008. Reference: Aileen Boucle, AICP, (305) 470-5201, aileen.boucle@dot.state.fl.us.*

Adebayo Coker, PE

Florida Department of Transportation (FDOT) District 6, SR-916/NW 138th St/Opa Locka Blvd State Environmental Impact Report (SEIR) from NW 57th Ave/Red Rd to NW 67th Ave/Ludlam Rd. FDOT Project Manager responsible for the SEIR for improvements to SR-916/NW 138th Street/Opa Locka Boulevard from NW 57th Avenue/Red Road to NW 67th Avenue/Ludlam Road. This project involved widening NW 138th Street from a 2-lane undivided roadway to a 4-lane undivided roadway with a 2-way center left turn lane. The SEIR involved the analysis of the existing conditions, noise barrier, public involvement, engineering evaluation of the preferred alternative, design and development of the preferred alternative, and evaluation of the environmental, social, and cultural impacts. The proposed improvements were developed to address safety, drainage, utilities, signalization, bicyclist and pedestrian facilities, traffic flow, existing pavement conditions, lighting, and Traffic Control Plans (TCPs). *Location: Miami-Dade County, FL. Dates: 2007–2008. Reference: Aileen Boucle, AICP, (305) 470-5201, aileen.boucle@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 6, Project Development & Environment (PD&E) Studies, Resurfacing, Restoration, and Rehabilitation (RRR) Scoping Reports, & Traffic Reports. District 6 Project Development Engineer responsible for the oversight of numerous tasks, such as utility coordination, PD&E Studies, Traffic Reports, and Resurfacing, Restoration, and Rehabilitation (3R) Scoping Reports for various projects, including West Flagler Street from 2nd Avenue to 27th Avenue (CE2), NW 74th Street from NW 114th Avenue to SR-826/Palmetto Expressway (Noise Study), Card Sound Road (EA), I-75 from the Miami-Dade/Broward County Line to SR-826/Palmetto Expressway (EIS/EA),Tamiami Canal Swing Bridge (EA), I-395/SR-836 PD&E (EIS), NW 42nd Court/ Perimeter Road (SEIR), SR-997/Krome Avenue Truck Bypass from Lucy Street to 296th Street (Pending Class of Action Determination), Rickenbacker Causeway Lane Repurposing Study, NW 27th Avenue Express Bus Service Study, and numerous other 3R Scoping Reports. *Location: Miami-Dade County, FL. Dates: 2006-2008. Reference: Aileen Boucle, AICP, (305) 470-5201, aileen.boucle@dot.state.fl.us.*

PortMiami, Chute Road Relocation Phase II. Project Manager responsible for providing traffic engineering support and conceptual design for PortMiami's Chute Road Relocation Phase II. The main challenge for this project was the extreme urgency to complete the work required by PortMiami's engineering staff. The difficult challenge was successfully accomplished, by assigning the proper resources and working expeditiously to meet the deadlines, without sacrificing quality. The work consisted of the analyses of different roadway design options, to accommodate truck traffic. There were questions regarding the adequacy of the radius of the curve and the potential need to limit the curve to "one truck only at curve." Adebayo utilized the Auto Turn simulation software as one of the tools for this project, analyzed the generated data, and recommended a roadway design that allowed a two-truck curve. Roadway Signing and Pavement Markings (S&PMs), such as stop signs, stop bars, speed limit signs, and chevrons were also included in the scope of work. *Location: Miami-Dade County, FL. Dates: 02/16/2017-03/15/2017. Reference: Li Gurau, PhD, PE, (305) 329-4034, li.gurau@miamidade.gov. Contract Amount: $3K.*

PortMiami, Shed B Traffic Circulation Plan Study Engineering Services. Project Manager responsible for the conceptual plan that would alleviate traffic congestion, while being compliant with the Manual on Uniform Traffic Control Devices (MUTCD), Roadway Design Standards, Florida Greenbook, and the Miami-Dade County Public Works Manual and Specifications. This project involved developing several alternatives for road layouts and traffic control plans. Final recommendations included modifications to the loading dock at Shed B, which allowed trucks to park diagonally in front of the shed and simultaneously provided a significant widening of North Cruise Boulevard, as well as a dedicated lane for trucks to maneuver safely. Efforts resulted in alleviating traffic conditions and reducing the blocking of traffic caused by trucks that were parked perpendicular to the loading dock. The solution consisted of relocating the CVIS tent, while providing a bypass lane for trucks adjacent to the docks. A crosswalk was relocated, and miscellaneous striping was applied. Angle parking location with frontage road allowed the separation of PortMiami traffic from CVIS delivery trucks. *Location: Miami-Dade County, FL. Date: 02/16/2017. Reference: Victor Gutierrez, PE, (305) 347-4802, victor.gutierrez@miamidade.gov. Contract Amount: $19,597.74.*

Hernan Lugo, MS, PE, CFM

Project Manager | ADA Compliance

27 Years of Experience

Hernan specializes in drainage design, stormwater management, roadway design, and construction administration, with extensive experience in transportation infrastructure projects. He has led and managed projects for the Florida Department of Transportation (FDOT), Miami-Dade County, and other public agencies, overseeing drainage analysis, floodplain management, utility coordination, and permitting. His expertise includes developing stormwater solutions, conducting hydrologic and hydraulic modeling, and ensuring regulatory compliance. A licensed Professional Engineer (PE) in Florida and Texas, he is also a Certified Floodplain Manager (CFM) and a Florida Certified Building Contractor. Committed to delivering resilient and efficient infrastructure, Hernan focuses on integrating innovative solutions to enhance roadway and drainage systems.

Florida Department of Transportation (FDOT) District 4, Hollywood Gardens Sidewalk Complete Streets LAP Project. Drainage and Public Invovlement for this Complete Streets Local Agency Program (LAP) project, which included utility coordination, designing new and harmonized sidewalks, bike lanes, shared lanes, and landscape coordination to improve multimodal connectivity. The final deliverables featured typical section details, drainage structures, roadway plans, Stormwater Pollution Prevention Plan (SWPPP), and Temporary Traffic Control Plans. The project also addressed public concerns and design challenges such as constructing sidewalks through driveways, adjusting parking and fencing encroachments, and resolving utility conflicts. Drainage solutions included roadside ditches, French drains, and bioswales to manage runoff effectively, while ADA-compliant features were incorporated for accessibility. *Location: Hollywood, FL. Dates. 1/2015-1/2019. HBC Fee: $555K. Construction Cost: $3.5M. Reference: Kenzot Jasmin, PE, (954) 777-4462, kenzot.jasmin@dot.state.fl.us.*

Palm Beach County (PBC), Boca Rio Road Widening from Palmetto Park Rd to Glades Rd. Project Manager and Roadway Engineer of Record (EOR) for leading the design and delivery of the Boca Rio Road Widening Project in Palm Beach County, overseeing all aspects of roadway engineering and interdisciplinary coordination. The project involved the widening of a 1.53-mile corridor from 600 feet south of the Palmetto Park Road eastbound off-ramp to 600 feet north of the Glades Road intersection. Scope elements included adding one through lane in each direction, constructing a raised median where Right-of-Way allowed, and improving overall traffic flow and safety. The role required the development of a new closed drainage system, replacement of four culverts, and the design of a stormwater management facility to increase drainage capacity and reduce flood risk. Responsibilities also encompassed intersection upgrades to accommodate the revised geometry, ensuring optimized traffic operations, ADA compliance, and pedestrian safety.. *Location: Palm Beach County, FL. Dates: 10/2023–Ongoing. HBC Fee: $660,977. Reference: Jonathan DeLaura, (561) 684-4013, jdelaura@pbcgov.org.*

Years with HBC
8 years

Education
M.S. in Environmental Engineering, Texas A&M University (12/16/2011)

B.S. in Civil Engineering, Universidad Nueva Esparta, Venezuela (05/30/1998)

Registration(s)
PE (FL) No. 74961 (08/06/2012)

PE (TX) No. 108728 (05/25/2011)

TIN No. L20032074

Licenses & Certifications
Florida Certified Building Contractor - No. 160661

Certified Floodplain Manager - No. US-15-08248

TTC Advanced #38971

Expertise
Drainage design, stormwater management, roadway design, construction administration, utility coordination, floodplain management, transportation infrastructure.

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements LAP Project. Hernan is serving in key engineering roles across two tasks of the FDOT District 4 SR-7/US-441 Transit Corridor Improvements LAP Project. The overall goal of this project is to improve multimodal access, enhance pedestrian and bicycle safety, and upgrade key infrastructure elements along SR-7/US-441 in Broward County.

- **Task 1:** Drainage Engineer for corridor improvements that include construction of new sidewalks, ADA-compliant curb ramps, pedestrian signalization, and landscape enhancements. The project also features new shared-use paths, pedestrian lighting at the I-595 on-ramps and off-ramps, high-emphasis crossings, and the construction of retaining walls beneath the I-595 bridges. Additional scope includes signing and pavement marking upgrades to improve visibility and safety. *Location: Broward County, FL. Dates: 1/2025-Ongoing. FM No.: 429576-3. HBC Fee: $922K. Construction Cost: $1.67M. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*
- **Task 2:** As Drainage Engineer, Hernan leads the stormwater design and connectivity enhancements along SR-7. His responsibilities include designing effective drainage systems with culvert crossings, flumes, and curb inlets, as well as coordinating stormwater management for new shared-use paths and sidewalks. He also contributed to safety-focused improvements, such as upgraded pedestrian signalization, RRFB crossings, lighting at high-emphasis crosswalks, and preparation of landscape and tree disposition plans. Hernan's work ensures the integration of pedestrian-focused infrastructure with functional, compliant stormwater solutions. *Location: Broward County, FL. Dates: 4/2023-Ongoing. FM No.: 429576-3. HBC Fee: $444K. Reference: Robert Lopes, PE. (954) 777-4425, robert.lopes@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, SR-817/University Drive from Nova Drive to SR-84. Chief Drainage Engineer for this project that involved a series of significant improvements along SR-817/University Drive, spanning from Nova Drive to SR-84. Key enhancements included pavement widening to accommodate a new auxiliary lane extending from NW 23rd Street to the westbound 595 ramp, which will improve traffic flow and accessibility. Additionally, existing drainage structures, overhead signs, a mast arm, and utility poles were repositioned to support the road modifications and ensure safety. *Location: Davie, FL. Dates: 02/2022-Ongoing. HBC Fee: $7M. Reference: Adam Naiem, PE, (954) 777-4440.*

Florida Department of Transportation (FDOT) District 4, Homewood Boulevard from Old Germantown Road to Lowson Boulevard. Engineer of Record in charge of designing the Temporary Traffic Control Plan (TTCP) for a 0.51-mile RRR project on Homewood Boulevard in the City of Delray Beach. The TTCP design included typical sections for vehicular traffic and an ADA-compliant pedestrian detour on a multilane road. The task is being accomplished by using tables to reference applicable details and index for the locations. This includes Lane Closure Analysis, summary of quantities, and precise TTCP phases and plans to safely facilitate the routing of traffic through work zones. Coordinating with FDOT District 4 Construction, as necessary, to ensure feedback and approval of the proposed TTCP design. *Location: Delray Beach, FL. Dates: 2018–Ongoing. HBC Fee: $825K. Reference: Raul Dominguez, PE, (954) 777-4677, raul.dominguez@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, I-75/Alligator Alley Rest Area and Education Center Master Plan Project. Engineer of Record in charge of designing the S&PM for a 0.71-mile stretch. This project involves improving the existing rest area, by constructing environmental education and recreational amenities, and requires reconfiguration of existing parking, access roads, and sidewalks. Improvements include an observation tower, covered pedestrian walkway, boardwalks, walking paths, dog walking areas, pedestrian lighting, wetland exhibits, pavilions, picnic areas, site furnishing, informational kiosk and signage, and landscaping. The S&PM was designed to guide traffic through the rest area and provide guidance back to the I-75 mainline. New pavement markings were also included to accommodate the proposed improvements. *Location:*

Edgar Diaz, MS, PE, PSM

Quality Assurance/Quality Control

37 Years of Experience

Years with HBC
19 years

Education
M.S. in Civil Engineering, Florida International University (04/16/1999)

B.S. in Civil Engineering, Florida International University (12/19/1992)

Registration(s)
PE (FL) No. 50728 (08/02/1996)

PE (PR) No. 27906 (06/27/2019)

PSM (FL) No. LS7484 (06/02/2023)

Licenses & Certifications
Advanced Maintenance of Traffic Training

OSHA-30 Hour Certificate

Part 107 Remote Pilot Certificate

Expertise
Civil engineering, construction management, project controls, quality assurance/quality control (QA/QC), water and wastewater infrastructure, roadway design, signalization, maintenance of traffic (MOT), environmental compliance.

Edgar leverages his extensive experience in civil engineering, project management, and quality assurance to oversee and optimize project planning, scheduling, budgeting, and performance tracking on complex infrastructure projects. His expertise spans various sectors, including public works, transportation, and utilities, with a focus on ensuring that all project phases—from conceptual design through final construction—adhere to regulatory standards and client specifications. Edgar's comprehensive background includes managing multidisciplinary teams, coordinating utility installations, and conducting thorough QA/QC reviews to maintain the highest quality and compliance levels. His project oversight experience with Miami-Dade County and the Florida Department of Transportation has equipped him with the strategic insights necessary to mitigate risks, optimize resource allocation, and ensure timely project delivery, making him an invaluable asset in managing large-scale, multifaceted engineering projects.

Florida Department of Transportation (FDOT) District 4, SR-80/ Southern Blvd from West of Lion Country Safari Rd to Forest Hill Blvd. Quality Assurance/Quality Control Manager for this project that included the signalization design of 4 signalized intersections (Lion Country Safari Road, Binks Forest Drive, Big Blue Trace, Palms West Parkway) for this widening and resurfacing project all 4 signals required replacements. The design required coordination with Palm Beach County the maintenance agency. There are 4 PTMS count station/sites that will be replaced. Design activity includes MOT signal design. *Location: West Palm Beach, FL, Dates: 2012–2016. Reference: James Hughes, PE, (954) 777-4419*

Florida Department of Transportation (FDOT) District 4, SW 30th Ave Widening from Griffin Rd to SW 45th St RRR. Quality Assurance/ Quality Control Manager for this project which included signalization improvements from at four Griffin Road to SW 45th Street. Design includes new signalization loops and assembly, signal heads, pedestrian heads and detectors, sign panels including internally illuminated signs, and traffic controller assembly, new mast arms. Existing traffic controllers were modified. *Location: Dania Beach, FL. Dates: 2014–2017. Reference: Brent Lee-Shue-Ling, PE, (954) 777-4075, Brent.Lee-Shue-Ling@dot.state.fl.us*

Florida Department of Transportation (FDOT) District 4, SR-713/ Kings Hwy from Okeechobee Rd to North of the I-95 Overpass. Quality Assurance/Quality Control Manager for this project which included the lighting design of approximately 3.3 miles of roadway reconstruction and retrofitting multiple signalized intersection. *Location: Fort Pierce, FL. Dates: 2012–2014. Reference: Bing Wang, PE, (954) 777-4419, Bing.Wang@dot.state.fl.us*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 69th St to NE 84th St Design-Build Project. Quality Assurance/Quality Control Manager for

this project which included the additions of decorative lighting throughout the corridor. Overall project required design for drainage, lighting, signalization, roadway reconstruction as well as public involvement. This consisted of the addition of bike lanes, street parking, pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, and sidewalk reconstruction, new pavement, horizontal and vertical geometry, side street and plateau intersection signalization, sign and pavement marking, and preparation of TTCP. Coordination was also made between all design disciplines such as roadway, signalization, SPM, street lighting, landscaping, drainage, water main lines, utilities, and environmental, and railroad company while maintaining the project on schedule. *Location: Miami, FL. Dates: 2017–2019. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Florida Department of Transportation (FDOT) District 4, SR-A1A from South of Jasmine Ln to North of SR-60/Beachland Blvd. Project Engineer for this project, which consisted of milling and resurfacing, repairing damaged sidewalk, adding bike lanes, constructing sidewalk on east side at gap location, retrofitting lighting at the signalized intersection of SR-A1A and Beachland Boulevard, and lighting for 2 new midblock crosswalks on SR-A1A at Iris Lane and Dahlia Lane. *Location: Indian River County, FL. Dates: 2019–Ongoing.*

City of Pembroke Pines, Street Lighting Inventory and Illumination Levels Study. Project Engineer responsible for establishing illumination criteria and minimum illumination levels; compiling a detailed inventory and report on the quantity and type of existing street lighting; preparing a photometric light study for all street lights on city-owned streets and presenting, at a minimum, the light intensity and uniformity; developing a geodatabase of more than 3,000 FPL light poles using GIS tools; evaluating and prioritizing potential infrastructure improvements; providing general guidelines for street lighting, which denoted typical locations and spacing of roadway lighting; preparing a Roadway Lighting and Policy Development Report; reviewing application of LED lighting; creating the Resident Streetlight Request procedure; and developing a Roadway Lighting Policy and standard that could be applied to evaluating lighting along City of Pembroke Pines streets. *Location: Pembroke Pines, FL. Dates: 10/07/2020-2021. Reference: Karl M. Kennedy, PE, CFM, (954) 518-9040, KKennedy@ppines.com. Contract Amount: $250K. Contract No.: PSEN-19-10.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design Build Services for NE 2nd Avenue Reconstruction from NE 69th Street to NE 84th Street. Project Engineer responsible for developing construction plans for this project, which included the design of drainage, lighting, signalization, Signing and Pavement Marking (S&PM), and roadway reconstruction, as well as extensive public involvement and utility coordination. The design involved widening and reconfiguring 5,016' of a 4-lane roadway segment, which included bike lanes, street parking, pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, and sidewalk reconstruction. The project coordination included design disciplines such as roadway, signalization, S&PM, street lighting, landscaping, drainage, water main lines, utilities, and environmental mitigation, while maintaining the project on schedule. The Temporary Traffic Control Plan (TTCP) involved shifting traffic to facilitate construction through a railroad crossing, while keeping the existing railroad crossing gate. This required coordination with the railroad company and a provision in the design for a railroad flagger during construction. *Location: Miami, FL. Dates: 03/02/2016–2017. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov. Contract Amount: $985K. Construction Cost: $10.4M. Contract No.: DB15-PWWM-01.*

Jose A. Lopez, PE

Minor Highway Design

20 Years of Experience

Years with HBC
6 years

Education
B.S. in Civil Engineering, Polytechnic University of Puerto Rico (05/02/2005)

Registration(s)
PE (FL) No. 81014 (04/28/2016)

PE (PR) No. 21897 (10/05/2007)

Licenses & Certifications
30-HR OSHA Certification

TTC Advanced # 74153

ICPR V4 Training

FDOT Specifications Package Preparation

Expertise
Signalization, storm drainage design, roadway design, utility relocations, temporary traffic control (TTC), pedestrian and bicycle infrastructure, construction engineering and inspection (CEI).

Jose specializes in civil engineering, with expertise in roadway design, signalization, Signing and Pavement Marking (S&PM), storm drainage, and utility relocations. He has served as Engineer of Record (EOR) for various Florida Department of Transportation (FDOT) projects, including districtwide resurfacing, safety improvements, and signalization upgrades. His project portfolio includes major roadway reconstruction, traffic signal optimization, and pedestrian safety enhancements for FDOT, Miami-Dade County, and Florida's Turnpike Enterprise. Jose is proficient in ICPR V4, FDOT Specifications Package Preparation, and Temporary Traffic Control (TTC) design.

Florida Department of Transportation (FDOT) District 4, SR-80/ Southern Blvd from West of Lion Country Safari Rd to Forest Hill Blvd/Crestwood Blvd. Signalization Engineer for designing the signalization system for six signalized intersections along SR-80/Southern Blvd from west of Lion Country Safari Rd to Forest Hill Blvd/Crestwood Blvd as part of the Florida Department of Transportation (FDOT) District 4 project. The corridor experienced high-speed conditions exceeding posted limits, requiring strategic signalization improvements to enhance safety and traffic operations. The design included new traffic signals at five intersections and the installation of a new signal with advanced warning flashing beacons, advanced loops, and vehicle video detection cameras to improve driver awareness and response time. *Location: Palm Beach County, FL. Dates: 2016–2017. HBC Fee: $33.5M. Reference: MD Rahman, PE, (954) 481-2812, MD.rahman@stantec.com.*

Florida Department of Transportation (FDOT) District 4, Hollywood Gardens Sidewalk Improvement Project. Performed analysis and drainage design structures for a 40-acre area, which included French drains, electrical load and photometric analysis, 25,000 LF of sidewalks to replace existing damaged and missing gaps with ADA compliant sidewalk. Also prepared drainage report. *Location: Broward County, FL. Dates: 2016–2017. Reference: Kenzot Jasmin, (954) 777-4462, Kenzot.Jasmin@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements. Roadway Engineer for designing roadway improvements from the Broward Miami-Dade County Line to North of Sample Road and SR 858/Hallandale Beach Blvd. from Edmund Road to SW 58th Ave. throughout 25 intersections that include "yield to pedestrian" signs, count down pedestrian signals, lighting retrofits, ADA ramps, high emphasis crosswalks, a new signalized restricted crossing, and sidewalk/bike lane construction, widening and flexible pavement design. Design also involved improvements for shared use paths and sidewalks on SR 7/US 441 between Oakes Rd. and the New River Greenway and SR 838/Sunrise Blvd. from SR 7/ US 441 to NW 31st Ave. Also responsible for necessary interdisciplinary coordination. Design improvements excelled in increasing passenger transit and enhancing overall patron experiences. *Location: Broward County, FL. Dates: 2018–Ongoing. HBC Fee: $1.7M. Reference: Robert Lopes, PE, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW) NE 2nd Avenue Reconstruction from NE 20th St to NE 36th St Design-Build. Signalization Engineer of Record for designing and implementing traffic signal system improvements at four signalized intersections along the NE 2nd Avenue corridor as part of the Miami-Dade County Department of Transportation and Public Works (MDC-DTPW) NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build project. The signalization scope includes replacing mast arms, signal heads, and pedestrian signals; upgrading vehicle detection systems with loop detection and advanced video detection technology; and ensuring compliance with MDC-DTPW and FDOT standards for long-term system reliability. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-02. HBC Fee: $13.7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design Build Services for NE 2nd Ave Reconstruction from NE 69th Street to NE 84th Street. Roadway Engineer of Record (EOR) for the widening and reconfiguration design of 5,016 feet of the four-lane undivided roadway segment. The corridor is generally commercial and light industrial with some residential areas. Improvement design included the addition of bike lanes, street parking, pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, and sidewalk reconstruction. Design also involved new pavement, horizontal and vertical geometry, side street and plateau intersection signalization, S&PM, and preparation of TTCP. Coordination was also made between all design disciplines such as roadway, signalization, SPM, street lighting, landscaping, drainage, water main lines, utilities, and environmental while maintaining the project on schedule. Preformed pavement design and calculations. Project also included extensive public involvement and utility coordination. TTCP involved shifting of traffic as required to facilitate construction through railroad crossing while maintaining the existing railroad-crossing gate. This required coordination with the railroad company and provision in the design for a railroad flagger during construction. *Location: Miami-Dade County, FL. Dates: 2016–2019. HBC Fee: $9.8M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

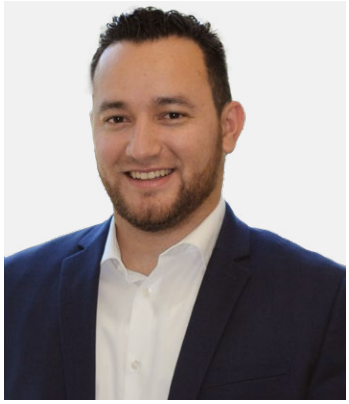
Florida Department of Transportation (FDOT) District 6, SR-25/NW 36th Street from NW 20th Avenue to NW 19th Avenue. Roadway Engineer for implementing safety and operational enhancements along SR-25/NW 36th Street from NW 20th Avenue to NW 19th Avenue in the City of Miami, as part of FDOT District 6's safety improvement initiative. This project stemmed from a comprehensive Safety Study and included the design and installation of a new mast arm structure supporting a high-intensity activated crosswalk (HAWK) signal at the mid-block pedestrian crossing. The scope also encompassed S&PM design, as well as pavement improvements to enhance visibility, traffic operations, and pedestrian safety while ensuring compliance with FDOT standards. *Location: Miami-Dade County, FL. Dates: 2018–2021. Reference: Jason Chang, PE, (305) 470-5331, Jason.Chang@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 6, SR-922/NE 125th St at NE 10th Ave Intersection. Project Manager and Engineer of Record for intersection improvements, drainage, and signage design. In charge of designing mast arms placements and pedestrian signals, preparing TTCP, along with coordinating with the structural engineer. Pavement design was also completed. *Location: Miami–Dade County, FL. Dates: 2017–2019. Reference: Jason Chang, PE, (305) 470-5331, Jason.Chang@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 6, SR-90/SW 8th Street and SW 147th Avenue Safety Improvement Project. Responsible for designing improvements to optimize safety and operations at the high-speed intersection of SR 90/SW 8th St. and SW 157th Ave., which was carried out through 0.52 miles. Tasks consisted of widening the northbound lanes providing an exclusive free flowing left and right turn lane and widening of the eastbound and westbound accelerations lanes. Design also included shoulder reconstruction, milling and resurfacing, S&PM, new guardrails, bike lanes, and signage. Preformed pavement design and calculations. Also prepared design variations. *Location: Miami-Dade County, FL. Dates: 2017–2019. HBC Fee: $698K. Reference: Jason Chang, PE, (305) 470-5331, Jason.Chang@dot.state.fl.us.*

Osmin Ocon, EI

Minor Highway Design



3 Years of Experience

Years with HBC
3 years

Education
B.S. in Civil Engineering, Florida International University (05/07/2022)

B.S. in Industrial Engineering, Universidad Nacional de Ingenieria (12/22/2012)

Registration(s)
EI (FL) No. 1100026399 (01/25/2023)

Licenses & Certifications
Production Management Certification

Professional Updating Seminar Certification

II Management Leadership Seminar Certification

Industrial Electricity Certification

Expertise
Roadway design, signalization, transportation infrastructure, utility coordination, 3D CADD design, pedestrian safety improvements, site verification, drainage analysis, traffic

Osmin is a civil engineering professional with valuable experience focusing on roadway, highway, and signalization projects for clients such as the Florida Department of Transportation (FDOT), Broward County, and Miami-Dade County. Osmin has contributed to a variety of high-impact projects, including the Broward County School Zone Flasher Improvements, SR-7/US-441 Transit Corridor Enhancements, and NE 2nd Avenue Reconstruction in Miami-Dade County. His specialties include creating 3D CADD designs, conducting site visits for utility verification, and developing complete signalization plans for roadway widening and pedestrian safety upgrades. With a strong foundation in transportation infrastructure and a commitment to delivering effective, compliant engineering solutions, Osmin is known for his technical skills, attention to detail, and ability to collaborate with public agencies and multidisciplinary teams.

City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project. Roadway and Signalization Designer of the project to evaluate a selected alternative as part of a PD&E study for reconstructing Johnston Street from North 30th Road to North Dixie Highway to accommodate a new interconnected sidewalk on one side of the street, new lighting, fully reconstructed two-lane two-way roadway with a center turn lane, new transit bus stops, and new drainage system within the existing Right of Way (ROW). HBC conducted a Limited Topographic Survey, Data Collection, Development of Conceptual Design Alternatives, Traffic Analysis of the Alternatives, and Public Involvement Coordination. *Location: Broward County, FL. Dates: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org*

Palm Beach County (PBC), Boca Rio Road Widening from Palmetto Park Rd to Glades Rd. Signalization designer of the widening and reconstruction of Boca Rio Road from Palmetto Park Road to Glades Road in Palm Beach County. Responsible for providing the drainage structure cross sections, drainage maps, and spread calculations.. *Location: Palm Beach County, FL. Dates: 10/2023–Ongoing. HBC Fee: $660,977. Reference: Jonathan DeLaura, (561) 684-4013, jdelaura@pbcgov.org.*

Florida Department of Transportation (FDOT) District 4, SR-817/University Dr Widening from Nova Dr to SR-84. This roadway widening project involves the design of signalization improvements, which include the replacement of mast arms, due to the roadway widening and new lane configurations, as well as and the placement of new pedestrian countdown signals, per the Manual on Uniform Traffic Control Devices (MUTCD), at the proposed pedestrian crossing locations. Osmin is responsible for developing a complete set of signalization plans for the proposed roadway widening and signalization improvements. *Location: Broward County, FL. Dates: 2023–Ongoing. HBC Fee: $1.75M. Reference: Adham Naiem, (954) 777-4440, adham.naiem@dot.state.fl.us.*

Osmin Ocon, EI

operations, construction documentation.

Broward County Public Works Department, 2 School Zone Flasher Improvements Projects. This project involved designing upgraded solar dual LED ground-mounted school zone flashers to replace twelve (12) existing electric power ground-mounted school zone flashers at five (5) locations near Broward Estates Elementary School in the City of Lauderhill and four (4) existing electric power ground-mounted school zone flashers at two (2) locations near Oakridge Elementary School in the City of Hollywood. This project required relocating existing school signs for plan development, revising and modifying annotations, and creating civil labeler call outs. *Location: Broward County, FL. Dates: 2022-2023. HBC Fee: $78K. Reference: Jose Lopez, PE, Jlopez@hbcengineeringco.com.*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements - Task Order 3. Signalization designer for the transit corridor improvements along SR-7/US-441, including three shared-use paths, a midblock crossing with a rapid-flashing beacon, and minor signalization improvements to address impacted ADA curb ramps and crossings, by replacing pedestrian countdown pedestals and detection. Osmin created 3D CADD design drawings of existing utilities and performed site visits to verify the location of the utilities. *Location: Broward County, FL. Dates: 2019–Ongoing. HBC Fee: $1.2M. Reference: Robert Lopes, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build. This Design-Build project involves the reconstruction of NE 2nd Avenue from NE 20th Street to NE 36th Street and includes the replacement of all mast arms at 3 signalized intersections at NE 20th, NE 21st, and NE 29th Streets; 2 new midblock crossings at NE 23rd and NE 25th Streets; and enhancing the pedestrian signal at the southeast corner at NE 36th Street. For the 3 intersections with full mast arm replacement upgrades, the existing power disconnects with meters were upgraded to meet standards and the signal cabinets were also replaced. Intersection improvements were carefully analyzed, taking into consideration the existing aboveground and underground utilities and existing signalization system, to avoid conflicts, while keeping the existing signalization system operational until the proposed system is completed and operational. Osmin created 3D CADD design drawings of existing utilities and performed site visits to verify the location of the utilities. *Location: Miami-Dade County FL. Dates: 2022–Ongoing. HBC Fee: $12.6M. Reference: Alejandro Sauleda, 305-375-4866, Alejandro.Sauleda@miamidade.gov.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), El Yunque (Las Picúas) Wastewater Treatment Plant (WWTP) Elimination. Pipeline Layout Designer for the design of two new sanitary pump stations and force mains. The project also involved the decommissioning of the existing WWTP and the integration of new infrastructure, including stormwater management and utility assessments. HBC performed detailed demolition plans, site grading, and capacity analysis of existing systems to ensure smooth transition and compliance. *Location: Rio Grande, Puerto Rico, FL. Dates: Ongoing. Reference: Adamaris J. Quiñones, PE, Program Manager.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Improvement to Sanitary Trunk Sewer Van Scoy. Pipeline Layout Designer for the survey, topography, and Subsurface Utility Engineering (SUE) services for the Improvement to Sanitary Trunk Sewer Van Scoy project. The scope included conflict detection, soft digs, and flow measurement studies to address capacity limitations in the Bayamon Municipality. HBC prepared design reports, drawings, cost estimates, and managed permits to ensure compliance with local regulations. *Location: Puerto Rico, FL. Dates: 04/2024-Ongoing. Reference: Ramon Ortiz, 787.781.9050, Ramon.Ortiz-Morgado@jacobs.com.*

Claudia Bustamante, MS, PE

Civil/Signing & Pavement Marking and Channelization

21 Years of Experience

Claudia specializes in several aspects of transportation engineering, and transportation planning including roadway design, Signing & Pavement Marking (S&PM), channelization, signalization, Temporary Traffic Control (TTC), and Project Development & Environment (PD&E) studies. She has worked for the private sector, as well as various municipalities and FDOT Districts 4 & 5. She has over 20 publications in Transportation and has been affiliated with several organizations, such as the American Society of Civil Engineers (ASCE), Institute of Transportation Engineers (ITE), Women in Transportation Seminar (WTS), Transportation Research Board (TRB) AN20, ANB20, and ANB10 Committees. Claudia has participated on numerous projects as a Project Manager, performing various tasks on projects involving geometric designs, 3D modeling, plans production, S&PM, plans revision, PD&E studies, transportation alternatives, pavement designs, and Temporary Traffic Control Plans (TTCPs).

Broward County Public Works Department, School Zone Flasher Improvements Project (Elementary Schools). Project Manager and Engineer of Record for developing school zone flasher improvement designs for two Broward County schools: Broward Estates Elementary School and Oakridge Elementary School. The project aimed to mitigate vehicle speeds, ensure compliance with school zone speed limits, and enhance pedestrian safety. The design scope included records research, signalization, signing and pavement markings, utility coordination, Subsurface Utility Engineering (SUE), permitting, and public notification. As Project Manager and Engineer of Record, she was responsible for overseeing all aspects of the design improvements. *Location: Broward County, FL. Dates: 2022–2023. Reference: Eduardo Martin, (954) 270-3387, emartin@broward.org.*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 from SR-870/Commercial Blvd to Bailey Rd/NW 62nd St. Claudia was the Project Engineer Consultant responsible for assisting FDOT District 4's in-house Roadway Design Team. The design included roadway milling and resurfacing, coordination for pedestrian signals, lighting retrofits, roadway ADA ramps, high-emphasis crosswalks, sidewalk/bike lane construction, widening, and flexible pavement design. The design also included horizontal and vertical geometry, in compliance with the FDOT Design Manual (FDM) and ADA guidelines, to ensure safety. Claudia's responsibilities involved preparing a 3D model for the proposed design, to develop cross sections for the required earthwork and construction quantities for the proposed roadway widening and sidewalk improvements. The scope of services also included drainage improvements, signing and pavement marking, signalization, pavement design, utility coordination, public involvement, project management, and QC coordination. *Location: Broward County, FL. Dates: 2021–2022. FM No.: 443845-1. Reference: Jamie Polidora, PE, (954) 777-4633, jamie.polidora@dot.state.fl.us.*

Years with HBC
5 years

Education
M.S. in Civil Engineering, University of Central Florida (2017)

B.S. in Civil Engineering, Universidad Del Cauca Colombia (06/11/2004)

Registration(s)
PE (FL) No. 87381 (06/01/2019)

Licenses & Certifications
Advanced MOT - # 32203
DOT & LTAP Specifications Package
GeoPAK
MicroStation
Autoturn
CADD
3D Modeling

Awards and Recognitions
2024 ASCE Engineer of the Year

Expertise
Transportation engineering, roadway design, signing and pavement marking, signalization, temporary traffic control (TTC), project development and environment (PD&E) studies, traffic operations, microsimulation modeling.

Florida Department of Transportation (FDOT) District 4, SR-809/Military Trail at Forest Hill Blvd. Project Engineer who assisted as a consultant in the In-house Roadway Design team in FDOT District 4. The design included roadway milling and resurfacing, coordination for pedestrian signals, lighting retrofits, roadway ADA ramps, high emphasis crosswalks, and sidewalk/bike, lane construction, widening and flexible pavement design. This included horizontal geometry and vertical geometry in compliance to the FDM and ADA guidelines to ensure safety. Responsibilities also extended to preparing a 3D model for the proposed design to develop cross sections for the required earthwork and construction quantities for the proposed roadway widening and sidewalk improvements. Also included drainage improvements, signing and pavement marking, signalization, pavement design, utility coordination, public involvement, project management tasks and QC coordination. *Location: Palm Springs, FL. Dates: 2021–2022. Reference: Jamie Polidora, PE, (954) 777-4633, jamie.polidora@dot.state.fl.us.*

Miami-Dade County Department of Transportation & Public Works (MDC-DTPW), Design-Build Services for Roadway Signs in the Vicinity of Metrorail Stations. S&PM Engineer for developing signing and pavement marking plans as part of the Miami-Dade County Department of Transportation & Public Works (MDC-DTPW) Design-Build Services for Roadway Signs in the Vicinity of Metrorail Stations project. This project involves the installation of roadway signs at multiple locations across Miami-Dade County to enhance wayfinding and guide motorists toward Metrorail stations. Responsibilities include designing regulatory and directional signs, developing pavement marking layouts, and preparing Temporary Traffic Control Plans (TTCPs) to ensure safe and efficient implementation. All designs comply with MDC-DTPW and FDOT standards to optimize visibility and roadway operations. *Location: Miami-Dade County, FL. Dates: 2023–Ongoing. Contract No.: DB21-DTPW-08. HBC Fee: $300K. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Miami-Dade County Department of Transportation & Public Works (MDC-DTPW), NE 2nd Avenue Reconstruction from NE 20th Street to NE 36th Street Design-Build. S&PM Engineer for developing signing and pavement marking plans as part of the Miami-Dade County Department of Transportation & Public Works (MDC-DTPW) NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build project. This 1.09-mile roadway reconstruction expands the existing two-lane roadway to include a Two-Way Left-Turn Lane (TWLTL) and 6-foot buffered bike lanes in each direction to enhance multimodal connectivity and safety. Responsibilities include designing regulatory, warning, and guide signs, developing pavement marking layouts for lane assignments and bike facilities, and ensuring compliance with MDC-DTPW and FDOT standards to optimize roadway operations and safety. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-02. HBC Fee: $13.7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Miami-Dade County Department of Transportation & Public Works (MDC-DTPW), NW 84th Avenue Reconstruction from NW 58th Street to NW 74th Street Design-Build. S&PM Engineer for developing signing and pavement marking plans as part of the Miami-Dade County Department of Transportation & Public Works (MDC-DTPW) NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build project. This 1-mile roadway reconstruction expands the existing two-lane roadway to a four-lane configuration with a Two-Way Left-Turn Lane (TWLTL), where Right-of-Way is available, improving traffic operations and capacity. Responsibilities include designing regulatory, warning, and guide signs, developing pavement marking layouts for lane assignments and multimodal facilities, and ensuring compliance with MDC-DTPW and FDOT standards to enhance roadway safety and efficiency. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: $7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Ynaja Juste, EI

Civil, S&PM and Channelization

9 Years of Experience

Years with HBC
5 years

Education
B.S. in Civil Engineering, Florida International University (05/07/2016)

Registration(s)
EI (FL) No. 1100023151 (10/29/2019)

Licenses & Certifications
FDOT Intermediate Maintenance of Traffic (MOT), Florida - No. 53983

TTC Advanced # 620323

Expertise
Traffic engineering, data collection, traffic impact analysis, safety analysis, signing and pavement marking (S&PM), intersection capacity analysis, microsimulation modeling, wayfinding design, bicycle and pedestrian planning, transportation planning.

Ynaja specializes in traffic engineering, signing and pavement marking design, and channelization planning, with expertise in data collection, traffic impact studies, and operational analysis. He has contributed to projects for Miami-Dade County, Palm Beach County, and the Florida Department of Transportation (FDOT), including corridor assessments, bridge rehabilitation studies, and multimodal improvements. His skills include intersection capacity analysis, safety studies, microsimulation modeling, and developing wayfinding and traffic control plans. Proficient in Synchro, VISSIM, and AutoCAD, Ynaja is dedicated to enhancing roadway safety and efficiency through data-driven solutions.

City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project. Ynaja assisted with data collection efforts for this project, part of an effort to evaluate a selected alternative as part of a PD&E study for reconstructing Johnston Street from North 30th Road to North Dixie Highway to accommodate a new interconnected sidewalk on one side of the street, new lighting, fully reconstructed two-lane two-way roadway with a center turn lane, new transit bus stops, and new drainage system within the existing Right of Way (ROW). This project involved Turning Movement Counts, 72-Hour Volume Counts, Gap Data, and Speed data collection for traffic operations analysis. *Location: Broward County, FL. Dates: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org.*

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Studies – Districtwide Ped/Bike Data Collection. Ynaja served as a Data Collection Lead for the Districtiwde Ped/Bike Data Collection effort, which involved collecting bicycle and pedestrian data at 14 locations throughout Palm Beach, Indian River, and Broward Counties. Ynaja coordinated all data collection efforts, identified equipment setup locations, carried out equipment installation and breakdown, performed remote monitoring of equipment, and processed and furnished collected data. Pedestrian and bicycle data for this effort was collected and provided to the Department over the course of a four-week period. *Location: Palm Beach County, Indian River County, & Broward County, FL. Dates: 3/2021–4/2021. Reference: Ravi Wijesundera, (954) 535-5153, Ravi.Wijesundera @kimley-horn.com. FM No.: #230094-6-32-01*

Florida Department of Transportation (FDOT) District 4, FL, SR-7/US-441 Transit Corridor Improvements Group/Priority 2 between Orange Drive and the New River Greenway and SR-838/Sunrise Boulevard from SR-7/US-441 to NW 31st Avenue Task Order 3. Ynaja served as the Project Engineer tasked with developing the Signing and Pavement Marking plans for the project which involved designing a shared-use path that runs alongside SR-838, also known as Sunrise Boulevard, stretching from SR-7/US-441 to NW 31st Avenue. Ynaja's role was crucial in ensuring that all plans were meticulously designed to meet the current standards and specifications set forth by the Florida

Department of Transportation (FDOT), as well as adhering to the guidelines outlined in the Manual on Uniform Traffic Control Devices (MUTCD). Ynaja worked diligently to ensure that the project not only enhanced safety and accessibility for pedestrians and cyclists but also integrated seamlessly with existing traffic infrastructure. Location: Broward County, FL. Dates: 2019–2023. HBC Fee: $1.2M. Reference: Robert Lopes, PE, (954) 777-4425, Robert.Lopes@dot.state.fl.us

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Golden Glades Bike and Pedestrian Connector. Ynaja assisted with data collection efforts for this project, which included collecting Turning Movement Counts (TMCs), 72-Hour volumes and classification counts, speed, and gap data. *Location: Miami-Dade County, FL. Dates: 9/2021–10/2021. Reference: Morteza Alian, Morteza.Alian@parsons.com, (305) 507-3843*

City of Riviera Beach, FL, Riviera Beach Raw Water Transmission Main improvements. Ynaja was the project Engineer for Signing and Pavement Plans in this Design-Build project. The project involves the construction of a new raw water treatment plant and the expansion of the existing raw water network in the City of Riviera Beach. The project includes the installation of new wells and new raw water transmission mains to connect proposed wells to the treatment plant. Location: City of Riviera Beach, FL. Dates: 2022–Ongoing. HBC Fee: $2M. Reference: Reference: Michael Hoisington, (904) 357-4232, michael.hosington@haskell.com.

Palm Beach County (PBC), George Bush Blvd Bridge over the ICWW Bridge Replacement. Ynaja is serving as the Data Collection Lead and responsible for managing data collection, Turning Movement Counts (TMCs), O-D counts, existing conditions, microsimulation models, and calibration and validation. Future demand forecasting and ESAL analysis are conducted based on the historical AADT and Southeast Florida Regional Planning Model (SERPM) model. This project also entails safety analysis, crash analysis, collision diagrams, and Highway Saftey Manual (HSM) analysis for the studied segments. Mitigation improvements are being recommended due to the closure of the George Bush Bridge based on the safety and operations analysis. *Location: Palm Beach County, FL. Dates: 2023–Ongoing. Reference: Mike Sileno, msileno@hardestyhanover.com*

Florida Department of Transportation (FDOT) District 4, SR-817/University Dr Widening from Nova Dr to SR-84. Ynaja was a Data Collection Lead for this effort, which involved traffic data collection tasks including turning movement counts, ATR volume data, Origin-Destination, travel time and speed data, spot speed data at individual points, and queuing data and analysis. Collected data was used to conduct the safety and operational analysis for three different concepts along SR-817 from Nova Drive to SR-84. Vissim microsimulation and Synchro analyses were performed for comparing measures of effectiveness between intersections. Signal retiming and Surrogate Safety Assessment Model (SSAM) analysis were conducted. A target speed study was also prepared for the studied segment. *Location: Broward County, FL. Dates: 2022–Ongoing. Reference: Lance Jones Jr, (954) 777-4680 lance.jones1@dot.state.fl.us, FM# 445624-1-32-01,* Contract No.: CAI67

Port Everglades, Port Everglades Master Plan. Ynaja is serving as a Data Collection Lead for this project, providing the as-needed port master planning services for preparing the Port Everglades 5-year, 10-year, and 20-year planning horizon and conducting On-Port Traffic and Parking study and Parking and Estimated Future Truck Traffic study. The tasks include Traffic Counts and Quantitative Assessment, Qualitative Assessment and FDOT Recommendations, Existing Parking Conditions, Parking Utilization, Port wide Traffic Analysis, and Port wide trucking queue analysis. Also, Future Traffic Projections are conducted using historical volume data and regional model data. *Location: Broward County, FL. Dates: 2023–Ongoing. Reference: Elia Nunez, PE, (305) 447-3504, elia.nunez@aecom.com*

Juan J. Flores, Jr., PhD, AICP

Transit and Transportation Planning

24 Years of Experience

Years with HBC
1 year

Education
PhD in Business Operations, Oklahoma State University (12/18/2022)

MBA in Finance, Mississippi College (08/18/2011)

M.S. in Logistics, George Mason University (01/15/2005)

B.A. in Business Operations, Purdue University (05/01/2001)

Licenses & Certifications
U.S. Small Business Development Centers (SBDC) Certificate of International Trade & Commerce

Massachusetts Institute of Technology (MIT), Certificate of Supply Chain Management and Logistics

Rutgers University, Certificate of Advanced Infrastructure and Transportation

Salesforce Certification

SPSS Statistical Software

Dr. Flores has over 20 years of intermodal and QA/QC project management experience spanning state and local governments as well as private industry. He is a proven quality assurance manager with expertise in improving customer satisfaction, preventing critical quality issues, and optimizing team performance. While working for the Qatar Free Zone (Doha), he identified and implemented new QC guidelines, reducing inspection times by 27% and realigning the Zone's Health, Safety, and Environment standards as their Project Lead. He has managed and organized QA plans and performed quality control testing for over 50 cases and projects annually. In the Middle East, Dr. Flores leveraged his quality control inspection background on mid- to large-sized mega projects (highway corridors, warehousing, water/sewer systems, and infrastructure) to ensure product quality and compliance. Additionally, he brings expertise in Project Development and Environment (PD&E) studies, transportation planning, and multimodal systems, including transit systems, further enhancing his capability to manage complex and interdisciplinary projects.

***Miami-Dade County Planning Department, Comprehensive Development Master Plan (CDMP).** Planner for leading long-range planning efforts and policy development to support sustainable growth and community resilience. Focused on growth management, historic preservation, urban planning, sustainability planning, and multimodal transportation development through the Comprehensive Development Master Plan (CDMP) and related initiatives. Collaborated with key stakeholders, including the Department of Environmental Resources Management (MDC-DERM), Water and Sewer Department (MDC-WASD), Parks, Recreation and Open Spaces Department (MDC-PROS), and Zoning, to ensure land development policies and infrastructure planning aligned with the county's long-term vision and regulatory requirements. *Location: Miami-Dade County, FL. Dates: 2024.*

***Miami-Dade Transportation Planning Organization (TPO), SR-953/Le Jeune Road at SR-90/SW 8th Street Intersection Improvement Study.** Transportation Planner for assessing needs and identifying, evaluating, and documenting short-term and long-term multimodal transportation improvements, including intersection enhancements. Verified transportation demands and analyzed alternative designs and concepts such as movement restrictions, lane re-purposing, diversions, and signal timing phasing adjustments to improve safety and operational efficiency for all modes of travel. *Location: Miami, FL. Dates: 2020-2020.*

***Florida Department of Transportation (FDOT) District 1, Districtwide Systems Planning for Port and Freight Services.** Project Manager for the Freight Mobility and Transportation Plan (FMTP), responsible for freight mobility planning across multiple modes, including highways, rail, seaports, and aviation, as well as conducting freight logistics business research. The project included collaborating with Port Manatee to identify and develop

capacity enhancements in alignment with port master planning and development objectives. Dr. Flores oversaw all freight mobility planning efforts, freight logistics research, and capacity enhancement initiatives for Port Manatee, ensuring the project aligned with strategic planning goals and supported long-term freight transportation and logistics needs. *Location: Bartow, FL. Dates: 2019-2024.*

***Texas Department of Transportation (TxDOT) Transportation Planning and Programming (TP&P), Statewide Corridor Planning Contract.** Technical Advisor for this $25M indefinite deliverable contract providing contract/project management/oversight and quality management for 14 work authorizations. Also led technical planning analysis aspects for US 281 and I-30 corridor studies. Performed professional planning activities on as needed basis to perform transportation planning services associated with MPOs. *Location: Austin, TX. Dates: 2019-2024.*

***Hillsborough County Metropolitan Planning Organization (MPO) General Planning Consultant - Long Range Transportation Plan.** Technical Planning Advisor for the MPO's 2040 Long Range Transportation Plan (LRTP) Needs Assessment, tasked with identifying the County's transportation needs for 2040. The project utilized a unique approach to defining transportation needs, focusing on five investment categories: system preservation, safety, alternatives to driving, congestion relief, and major projects. Each emphasis area was designed to align with and satisfy the requirements of MAP-21, ensuring a thorough and compliant evaluation of necessary investments. The findings were integrated into the MPO's Imagine 2040 outreach strategy. Dr. Flores's responsibilities included providing guidance on all aspects of the LRTP Needs Assessment, evaluating and prioritizing the five investment categories, and ensuring full alignment with MAP-21 requirements for transportation investment planning. He also supported the development of actionable strategies that informed the MPO's long-term transportation vision. *Location: Hillsborough County, FL. Dates: 2017-2019.*

JMP Pro Software

Mplus

Tableau

Awards

2019 Brookings Institute National Honor Award - Top 10 Most Innovative Economic Development Initiatives

Expertise

Project management, intermodal transportation, quality assurance and control, infrastructure planning, transportation planning, environmental management, safety and health standards, logistics, asset management, congestion management, multimodal transportation, policy development, freight and rail planning.

***Prior to HBC**

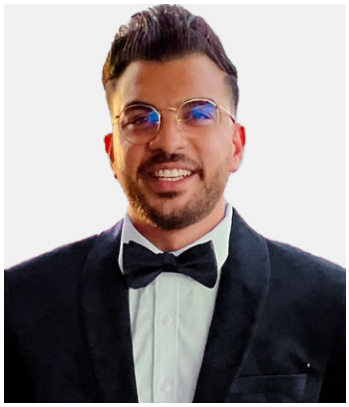
***City of Largo, Downtown Largo Multimodal Transportation Plan.** Technical Planning Advisor for the Multimodal Plan, developing mobility strategies for citywide application under the Strategic Plan. Advised on policy integration into the Comprehensive Plan, Development Code amendments, and Capital Improvement Programs. Led alternative mobility strategy evaluation and public engagement to ensure community alignment and strategic implementation. *Location: Largo, FL. Dates: 2018-2018.*

***Maryland Department of Transportation (MDOT), Planning and Programming, Office of Freight and Multimodalism.** Technical Advisor for the office of freight responsible for developing and managing the state and federal programs for the modal and intercity passenger rail, in order to facilitate and improve the safe and efficient travel of goods and people across all transportation modes. *Location: Hanover, MD. Dates: 2020-2024.*

***Georgia Department of Transportation (GDOT), Statewide Rail Planning Services.** Technical Advisor for funding, policy and transportation economics. The Statewide Rail plan will be developed through the integration of several project tasks including: an inventory of the existing freight and passenger rail system, analysis of the rail's economic impact to GA, condition and evaluation of state-owned lines, planning, data collection and asset inventor. *Location: Atlanta, GA. Dates: 2020-2024.*

Moatz Saad, PhD, PE, PTOE, IMSA II

Transit and Transportation Planning | Traffic Enigneering & Safety Studies



13 Years of Experience

Years with HBC
6 years

Education
PhD in Civil Engineering, University of Central Florida (08/03/2019)

M.S. in Transportation Engineering, University of Central Florida (12/16/2016)

B.S. in Civil Engineering, Alexandria University (08/01/2012)

Registration(s)
PE (NC) No. 056192 (05/04/2023)

PTOE No. 5763 (07/09/2024)

TIN No. S30054591

Licenses & Certifications
SAS Data Mining Certificate

FSUTMS Modeling Certificate

FDOT TTC Advanced Certificate - # 632512

IMSA Traffic Signal Technician Level I - # AA_133439

IMSA Traffic Signal Field Tech Level II - # BE_133439

PTV Vissim, PTV Visum

Dr. Saad specializes in Transportation Engineering, Traffic Safety, Traffic Simulation, and Connected and Autonomous Vehicles. He has led projects across South Florida involving Transportation Management Plans, traffic simulations, dynamic assignments, and Smart Work Zones. His expertise includes traffic impact analyses, safety reviews, fatality studies, and applying statistical models and data mining for safety and operational analysis. He also analyzes Big Data sources such as MVDS, AVI, and crowdsourced smartphone data for traffic safety projects.

City of Hollywood, Johnson Street from N 30th Road to N Dixie Highway Complete Streets Project. Moatz was the Traffic Lead of the project to evaluate a selected alternative as part of a PD&E study for reconstructing Johnston Street from North 30th Road to North Dixie Highway to accommodate a new interconnected sidewalk on one side of the street, new lighting, fully reconstructed two-lane two-way roadway with a center turn lane, new transit bus stops, and new drainage system within the existing Right of Way (ROW). HBC conducted a Limited Topographic Survey, Data Collection, Development of Conceptual Design Alternatives, Traffic Analysis of the Alternatives, and Public Involvement Coordination. Moatz conducted the traffic operations analysis involving traffic counts, traffic forecasting, Synchro Analysis for all alternatives, crash data analysis, HSM analysis, and providing recommendations for each alternative. *Location: Hollywood, FL. Dates: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org.*

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Widening from Nova Dr to SR-84. Moatz was the Traffic Lead who conducted the safety and operational analysis for three different concepts along SR-817 from Nova Drive to SR-84. Vissim microsimulation and Synchro analyses were performed for comparing measures of effectiveness between intersections. Signal retiming and Surrogate Safety Assessment Model (SSAM) analysis were conducted. Target speed study was also prepared for the studied segment. *Location: Davie, FL. Dates: 2022–2023. Location: Davie, FL. Dates: 2022–2023. Reference: Lance Jones Jr, (954) 777-4680 lance.jones1@dot.state.fl.us. FM # 44562-4-13-20, Contract No. CAI67*

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Data Collection. Moatz is serving as Project Manager for this contract, in which HBC is conducting routine traffic data collection activities for FDOT District 4 on a TWO basis. Project tasks include collection of turning movement counts, spot speed and speed profile data, volume and classification counts, pedestrian and bicycle data, and travel time and delay data, as well as assisting the District with miscellaneous

Moatz Saad, PhD, PE, PTOE, IMSA II

data collection and traffic studies. *Location: FDOT District 4. Date: Ongoing. HBC Fee: $1.5M. Reference: Ysamary Vergara, (954) 777-4380, Ysamary.Vergara@dot.state.fl.us. FM No.: 230026-6-32-01.Contract No.: CAU65*

Florida Department of Transportation (FDOT) District 6, Okeechobee Road Traffic Analysis. Moatz is serving as Project Manager for this project effort, which is focused on analyzing future traffic weaving conditions due to the planned reconstruction of the Okeechobee Road corridor. This task involves collecting 24-hour volume and classification counts, turning movement counts, origin-destination, travel time & speed data, and queuing data at 13 locations along Okeechobee Road between the SR-826 interchange and its intersection at NW 87th Avenue. Microsimulation analysis is being performed for existing, future no-build, and future build conditions, with collected data used for network inputs and calibration as well as distribution and forecasting of future traffic. *Location: Miami-Dade County, FL. Dates: 11/2024–ongoing. Reference: Bao-Ying Wang, PE, (305) 470-5211, BaoYing.Wang@dot.state.fl.us. FM # 425144-4-32-01, Contract No. CA933*

Florida Department of Transportation (FDOT) District 6, FL, Districtwide Resurfacing Scoping Reports. Moatz assisted with the preparation of districtwide resurfacing scoping reports on a TWO basis, by generating Target Speed Studies and traffic safety studies as part of the general scoping reports. These efforts involved speed data collection and analysis and development of Target Speed Reports, including recommendations for posted and target speeds based on collected data, existing conditions, pedestrian activity, and design speeds. *Location: Miami-Dade County, FL. Dates: 2020-2023. HBC Fee: $1.5M. Reference: Calvin Mason, (305) 470-5386, Calvin.Mason@dot.state.fl.us. FPID# 250759-3-22-04, Contract No: CA812.*

Florida Department of Transportation (FDOT) District 6, SR-25/US-27/Okeechobee Road Transportation Management Plan. Moatz was the Traffic Lead for this project, which involved coding the VISSIM microsimulation model for the corridor, including all detour and diversion routes. He assisted with creating the Synchro Analysis of the project corridor. Four microsimulation scenarios were tested: base model, during construction no closure, 1 lane closure, and full closure. This required balancing traffic, determining the traffic growth rate over the course of construction, generating AM and PM models for each scenario, and optimizing the signal timing for each scenario. Smart Work Zones were identified, based on the dynamic assignment of the models. Moatz also coordinated with Miami-Dade County to identify the preferred standards for the library of signal timing plans being created. *Location: Miami, FL. Dates: 2019-2020. Construction Cost: $883K. Reference: Bao-Ying Wang, PE, (305) 470-5211, Baoying.Wang@dot.state.fl.us.*

Synchro

ArcGis

AutoCad

SAS, SPSS,

R/RStudio, Python

Publications

Safety and operational impact of connected vehicles' lane configuration, Accident Analysis & Prevention, 2020.

Bicycle safety at intersections, Transportation Research Record, 2019.

Integrated safety and operational analysis of managed toll lanes, Transportation Research Record, 2019.

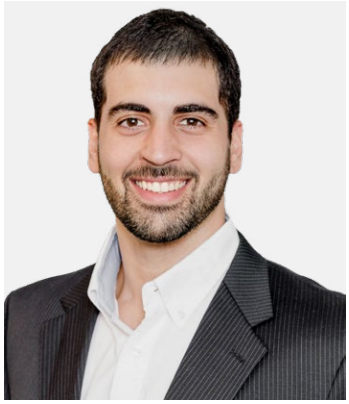
Safety analysis of access zone design for managed toll lanes, Journal of Transportation Engineering, 2018.

Expertise

Traffic safety, transportation engineering, traffic simulation, connected and autonomous vehicles, traffic impact analysis, dynamic traffic assignments, data integration, GIS technologies, microsimulation modeling, roadway safety evaluations.

Gonzalo Barrera, PE

Signalization Engineering



7 Years of Experience

Years with HBC
6 years

Education
B.S. in Civil Engineering, Florida International University (04/28/2018)

Registration(s)
PE (FL) No. 94260 (06/21/2022)

Licenses & Certifications
TTC Advanced, #44555

Expertise
Signalization, roadway design, signing and pavement marking, 3D modeling, drainage design, temporary traffic control (TTC), transportation safety improvements.

Gonzalo graduated from Florida International University in 2018 with a Bachelor of Science in Civil Engineering. Shortly after, he joined HBC Engineering Company as an Engineer Intern (EI). In 2022, he passed his Professional Engineer (PE) exam and is currently registered as a PE in the State of Florida. He has worked on various aspects of transportation engineering, including roadway design, signing and pavement marking, signalization, drainage design, Temporary Traffic Control (TTC), and 3D roadway modeling, while complying with local, state, and federal guidelines and standards. He is proficient in AutoCAD and MicroStation CAD software, CAD certified in AutoCAD and 3D modeling, and certified in Bentley MicroStation and OpenRoads Designer.

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements - Task Order 2. Project Engineer responsible for the design of a proposed sidewalk improving pedestrian connectivity between three intersections, including a signalized marked crossing. He is also responsible for designing three shared-use paths. One shared-use path is almost 1 mile long and connects the end of the proposed sidewalk to an existing shared-use path. The second path connects the path from SR-7/US-441 to Riverland Woods Park, by going in a serpentine path underneath the I-595 off ramp, before connecting to the park. The last shared-use path is 1.5 miles long, connects SR-7/US-441 to NW 34th Avenue and NW 31st Avenue along a canal, and includes a midblock crossing with a rapid flashing beacon across NW 34th Avenue. Minor signalization improvements within the project limits to address impacted ADA curb ramps and crossing, by replacing pedestrian countdown pedestals and detection. Responsibilities also include developing 3D modeling for section segments, to determine the expected earthwork cut and fill quantities. *Location: Broward County, FL. Dates: 2019–Ongoing. HBC Fee: $1.2M. Reference: Robert Lopes, (954) 777-4425, Robert.Lopes@dot.state.fl.us.* .

Florida Department of Transportation (FDOT) District 4, SR-817/ University Drive Widening & Signalization Improvements. Project Engineer responsible for the design of signalization improvements, which included the replacement of a mast arm, due to the roadway widening, and new lane configurations, as well as the placement of new pedestrian countdown signals, per MUTCD, at the proposed pedestrian crossing locations. *Location: Broward County, FL. Dates: 2023–Ongoing. HBC Fee: $1.75M. Reference: Adham Naiem, (954) 777-4440, adham.naiem@dot.state.fl.us.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build. Project Engineer responsible for the design of proposed signalization improvements with the project limits, which include the replacement of all mast arms at 3 signalized intersections (NE 20th, NE 21st, and NE 29th Streets), 2 new midblock crossings (NE 23rd and NE 25th Streets), and enhancing the pedestrian signal at the southeast corner at NE 36th Street. For the 3 intersections with full mast arm replacement upgrades, the existing power disconnects with meters were upgraded to bring up to standards and the signal cabinets were also replaced. Intersection improvements were carefully analyzed, considering the existing underground and aboveground utilities and existing signalization system, to avoid

conflicts, while keeping the existing signalization system operational until the proposed system is completed and operational. Gonzalo also served as deputy PM for the roadway design including, but not limited to, the roadway proposed horizontal and vertical alignment, mainline connections to the side streets, and the Temporary Traffic Control Plans (TTCPs). *Location: Miami, FL. Dates: 2022–Ongoing. HBC Fee: $12.6M. Reference: Alejandro Sauleda, 305-375-4866, Alejandro.Sauleda@miamidade.gov.*

Miami-Dade County DTPW, FL, Design-Build Services for the Reconstruction of NW 84th Ave from NW 58th St to NW 74th St. Project Engineer responsible for the design and plan production for the proposed roadway and signalization improvements within the project limits. Responsibilities include the roadway proposed horizontal and vertical alignment, mainline connections to the side streets, and the detailed level 2 Temporary Traffic Control Plans (TTCPs). Signalization improvements including but not limited to loop detection replacement and new runs to cabinet, Pedestrian signal and detection upgrades, and mast arm improvements for new lane configurations. Gonzalo also served as deputy PM overviewing the plan production of all the component sets ensuring not conflicts and improvements are reflecting concisely. Location: Miami, FL. Dates: 2022–Ongoing. HBC Fee: $12.6M. Reference: Alejandro Sauleda, 305-375-4866, Alejandro.Sauleda@miamidade.gov.

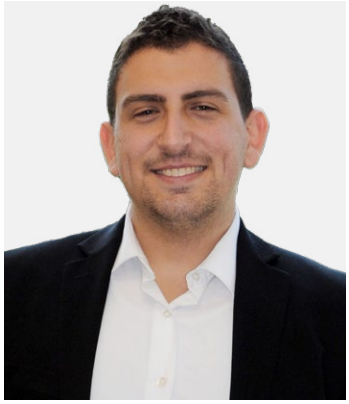
Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements - Task Order 1. Gonzalo assisted in preparing CADD designs for roadway improvements along the corridor, to improve pedestrian movement. This included horizontal geometry and vertical profiles in compliance with FDM and ADA guidelines, to ensure safety. Responsibilities also included preparing a 3D model for the proposed design, to develop cross sections for the required earthwork and construction quantities for the proposed roadway widening and sidewalk improvements. The scope of services also included reworking an adjacent drainage ditch, to account for the improvements' increase in impervious areas, without affecting the current runoff; developing design alternatives for the proposed design, based on existing conditions, to determine the safest and most cost-effective design; new signage for several substandard signalized intersections to meet current MUTCD and FDOT standards; relocating pedestrian detectors and countdowns and reconstructing curb ramps to comply with ADA requirements; and the design for a proposed midblock crossing with pedestrian channelization barriers, to improve pedestrian safety and encourage crosswalk usage. *Location: Broward County, FL. Dates: 2019–2022. HBC Fee: $1.2M. Reference: Robert Lopes, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 6, SR-5/US-1/South Dixie Hwy at Caribbean Blvd. Gonzalo is responsible for the design of the intersection's safely improvements. The safety improvements include the replacement of 2 mast arms along the mainline movement of SR-5/US-1/South Dixie Highway. The mast arm locations were strategically placed to allow for the existing system to be operational until the proposed mast arms are installed and operational, while simultaneously avoiding utility conflicts as much as possible. The scope also included the design and placement of 2 advanced intersection control signs, an advanced intersection street name sign along the mainline, and the analysis of the existing signal cabinet and service point to determine their condition and possible replacement. The signal cabinet was recently replaced and didn't need additional upgrades; however, the service disconnect required replacement, due to substandard condition, location from cabinet, and missing meter can. *Location: Cutler Bay, FL. Dates: 2021–Ongoing. HBC Fee: $250K. Reference: Kira Leon, 305 470-5207, Kira.Leon@dot.state.fl.us.*

Florida's Turnpike Enterprise (FTE), Wrong-Way Vehicle Detection System (WWVDS) Implementation. Gonzalo was responsible for preparing the Intelligent Transportation System (ITS) cabinet cross section and Temporary Traffic Control Plans (TTCPs) for the construction plans. The ITS cabinets were coordinated with the ITS engineer, to ensure the locations complied with setback standards, without impacting existing features. He was also responsible for designing the TTCPs for sequential construction phases with lane closure analyses, to determine the best time to closure a lane on the off-ramps and for the WWVDS testing phase, which required temporary detour plans during the ramp closures while testing. *Locations: Miami-Dade, Broward, and Palm Beach Counties, FL. Dates: 2021–2023. HBC Fee: $5.5M. Reference: Jasmi Alemani, PE, (407) 334-8035, jasmi.alemany@dot.state.fl.us.*

Alexander Tzenkov, EI

Signalization Engineering



3 Years of Experience

Years with HBC
3 years

Education
B.S. in Civil Engineering (Summa Cum Laude), Florida Internantional University (12/12/2020)

Licenses & Certifications
TTC Advanced # 624238

Expertise
Roadway design, signalization, maintenance of traffic (MOT), temporary traffic control plans (TTCP), resurfacing and rehabilitation (RRR), pedestrian and bicycle infrastructure, pavement restoration.

Alexander specializes in roadway design, signalization, and transportation infrastructure improvements, contributing to multimodal transportation solutions. He has worked with FDOT Districts 4 and 6, Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), the City of Florida City, and the City of Riviera Beach on roadway expansion, traffic signalization, and corridor improvement projects. His expertise includes designing signalization systems, shared-use paths, pedestrian and bicycle facilities, and Temporary Traffic Control Plans (TTCPs) to maintain traffic operations during construction. He is skilled in resurfacing and rehabilitation (RRR) studies, pavement restoration, and corridor enhancements to improve transportation networks. Passionate about delivering efficient and safe infrastructure solutions, Alexander is committed to optimizing urban mobility and traffic operations.

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build. Project Engineer for the reconstruction of NE 2nd Avenue from NE 20th Street to NE 36th Street and includes the replacement of the existing drainage system; the replacement of all mast arms at the signalized intersections of NE 20th, NE 21st, and NE 29th Streets; two new midblock crossings at NE 23rd and NE 25th Streets; and enhancing the pedestrian signal at the southeast corner at NE 36th Street. For the three intersections with full mast arm replacement upgrades, the existing power disconnects with meters were upgraded to meet standards and the signal cabinets were also replaced. Intersection improvements were carefully analyzed, taking into consideration the existing back of sidewalk constraints, the existing aboveground and underground utilities, and the existing signalization system. To avoid conflicts, the existing signalization system will remain operational until the proposed system is completed and operational. Alexander serves as Engineering Technician for the roadway design, signal design, the Temporary Traffic Control Plans (TTCPs) Roadway design aspects includes, but not limited to, the roadway proposed horizontal and vertical alignment, mainline connections to the side streets, back of sidewalk profiles, and grading plans. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-02. HBC Fee: $12.6M. Reference: Alejandro Sauleda, (305) 375-4866, Alejandro.Sauleda@miamidade.gov.*

Miami-Dade County Department of Transportation & Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. Project Engineer for the reconstruction of a one mile stretch along NW 84th Ave, consisting of an existing 2-lane roadway that will be expanded into a 4-lane roadway with a Two-Way Left-Turn Lane (TWLTL), where Right-of-Way (ROW) is available. Alexander is acting as Engineering Technician and is responsible for assisting in designing roadway, and signalization improvements. Alexander is responsible for the design of the level 2 Temporary Traffic Control Plans (TTCP), taking into account the requirements to maintain traffic operational and allow business access at all times throughout construction. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: $7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Alexander Tzenkov

Florida Department of Transportation (FDOT) District 4, SR-817/University Dr Widening from Nova Dr to SR-84. Project Engineer for this project. The Florida Department of Transportation (FDOT) proposed the construction of major roadway and drainage improvements along SR-817/University Drive from Nova Drive to SR-84. The improvements include roadway widening to accommodate a proposed auxiliary lane from NW 23rd Street to connect to the WB I-595 on-ramp; relocating existing drainage structures, overhead signs, signalization improvements; reconfiguring the bus stop bay at the NE corner of Nova Drive and SR-817/University Drive; and reconfiguring right turn lanes for the Royal Grand Community, PNC Bank, and Nova Drive. Alexander serves as Engineering Technician and is responsible for assisting in design and plan development. Design aspects include, but are not limited to, signal design and plans production, typical section package, roadway horizontal and vertical alignments, 2D and 3D designs and roadway plans production. *Location: Davie, FL. Dates: 2022–Ongoing. HBC Fee: $1.75M. Reference: Adham Naiem, PE, (954) 777-4440, Adham.Naiem@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 6, Districtwide Resurfacing Scoping Reports. Project Engineer for the this Task Work Order (TWO) based contract. The main objective of this Contract is to assist the FDOT D6 in planning, developing, and delivering transportation projects under its Resurfacing, Restoration, and Rehabilitation (RRR) Program, to ensure compliance with state-allocated lane mile targets. HBC has completed over 20 TWOs under this Contract. Alexander is serving the role of Engineering Technician and is responsible for assisting in preparing districtwide resurfacing scoping reports, by analyzing the existing conditions, to determine deficiencies and establish or substantiate the project purpose and need. Most deliverables are preliminary cost sections, based on the engineer's estimates, preliminary drainage analysis and plans, conceptual roadway plans, approved typical section package, and variances and exceptions sections. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Reference: Nicholas Danu, PE, (305) 470-5219, Nicholas.Danu@dot.state.fl.us.*

City of Riviera Beach, Raw Water Transmission Main Improvements Progressive Design-Build. Project Engineer for the construction of a new raw water treatment plant and the expansion of the existing raw water network in the City of Riviera Beach. The project includes the installation of new wells and new raw water transmission mains to connect proposed wells to the treatment plant. Alexander is responsible for the development of pavement restoration plans for areas affected by the raw water transmission main alignment. Pavement restoration is to occur along Avenue R, W 15th Street, and Avenue L. Constant coordination with the City of Riviera Beach is necessary to ensure the project schedule, scope, and budget are met. *Location: Riviera Beach, FL. Dates: 2022–Ongoing. HBC Fee: $2M. Reference: Edgar Diaz, (786) 385 6824, ediaz@hbcengineeringco.com.*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements - Task Work Order 3. Engineering Technician and is responsible for assisting in the design of a proposed sidewalk to improve pedestrian connectivity between three intersections, including a signalized marked crossing. He is also responsible for designing three shared-use paths. One shared-use path is almost 1 mile long and connects the end of the proposed sidewalk to an existing shared-use path. The second path connects the path from SR-7/US-441 to Riverland Woods Park, by going in a serpentine path underneath the I-595 off ramp, before connecting to the park. The last shared-use path is 1.5 miles long, connects SR-7/US-441 to NW 34th Avenue and NW 31st Avenue along a canal, and includes a midblock crossing with a rapid flashing beacon across NW 34th Avenue. Minor signalization improvements within the project limits to address impacted ADA curb ramps and crossing, by replacing pedestrian countdown pedestals and detection. Responsibilities also include plans development . *Location: Broward County, FL. Dates: 2019–Ongoing. HBC Fee: $1.2M. Reference: Robert Lopes, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*

Orlando Penate, PE, EE, IMSA III

Lighting Engineering

19 Years of Experience

A highly experienced Electrical Professional Engineer, he boasts a robust background in the civil engineering industry and a comprehensive skill set, including proficiency in AutoCAD, Bentley MicroStation, OpenRoad Designer, and AGI-32 Lighting Analysts. Throughout his career, he has served as the Engineer of Record for multiple lighting and electrical projects across South Florida. His responsibilities encompass the production and management of all phases of design, ensuring that each project meets stringent standards of quality and efficiency. His extensive experience and technical expertise have established him as a reliable professional in the industry, consistently delivering exceptional results and driving project success.

Florida Department of Transportation (FDOT) District 4, Hollywood Gardens Sidewalk Improvement Project. Engineer of Record responsible for analysis and develop overall design for new intersection lighting system. Prepared Lighting Design Analysis Report, which included Voltage Drop calculations and photometric evaluation results. Also designed Lighting Plans Sets which included reference and master design files, tabulation of quantities, and pole details. *Location: 2015-2019. Reference: Kenzot Jasmin, (954) 777-4462, Kenzot.Jasmin@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, Intersection Lighting Retrofit Improvement Project. Lighting Design Engineer of Record (EOR) for this intersection lighting retrofit improvement project for 29 signalized intersections. This project involved retrofitting existing light poles with Light-Emitting Diode (LED) luminaires to replace outdated High-Pressure Sodium (HPS) luminaires and adding new light poles with LED and FPL luminaires at strategic locations to meet the standards for roadway and pedestrian lighting. Orlando also oversaw the Temporary Traffic Control Plans (TTCPs), roadway design, surveying services, and coordination with other disciplines and governmental entities. *Location: Palm Beach County, FL. Dates: 2021-2023. FM No.: 447001. HBC Fee: $1.5M. Reference: Ronald P. Wallace, PE, (954) 646-1197, Ronald.Wallace@dot.state.fl.us.*

City of Pembroke Pines, Street Lighting Inventory and Illumination Levels Study. Project Manager and Lighting Engineer for leading the Street Lighting Inventory and Illumination Levels Study for the City of Pembroke Pines, aimed at enhancing roadway lighting standards and infrastructure. Responsibilities included establishing illumination criteria and minimum illumination levels, conducting a comprehensive inventory of over 3,000 Florida Power & Light (FPL) light poles using GIS tools to develop a geodatabase, and preparing a photometric light study to assess light intensity and uniformity across city-owned streets. Additional tasks involved evaluating and prioritizing potential infrastructure improvements, reviewing the application of Light-Emitting Diode (LED) lighting, and developing a roadway lighting policy and standard to guide future street lighting installations and assessments. The project also included creating a resident street light request procedure, providing general guidelines on lighting locations and spacing, and

Years with HBC
8 years

Education
B.S. in Electrical Engineering, Marta Abreu de Las Villas University (07/14/2006)

Registration(s)
PE (FL) No. 80385 (01/01/2016)

Licenses & Certifications
FLUG Open Road Designer

FDOT Specifications Package Preparations

Bullet Proof Manager Program

FDOT Advanced TTC, #631090

IMSA Traffic Signal Field Technician Level 3, #CE_131518

Certified Infrared Thermographer Level II No. 17022

Advanced Building Code Course Credit

7th Edition, Florida Building Code

Expertise
Electrical engineering, lighting design, control

systems, power distribution, roadway lighting, wastewater infrastructure, signalized intersection lighting, electrical assessments, infrastructure planning, compliance with electrical codes.

preparing a roadway lighting and policy development report to support the City's long-term lighting strategy. *Location: Pembroke Pines, FL. Dates: 2020-2021. HBC Fee: $250K. Reference: Karl M. Kennedy, PE, CFM, (954) 518-9040, KKennedy@ppines.com.*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements, Group/Priority 1. Lighting Engineer of Record (EOR) for designing lighting improvements at 21 signalized intersections along the SR-7/US-441 Transit Corridor Improvements, Group/Priority 1 as part of the Florida Department of Transportation (FDOT) District 4 project. Scope included retrofitting existing High-Pressure Sodium (HPS) luminaires with energy-efficient Light-Emitting Diode (LED) luminaires at each intersection and installing new light poles with LED and FPL luminaires at strategic locations to meet roadway and pedestrian lighting design criteria. Responsibilities also included coordinating across multiple disciplines, municipalities, and Florida Power & Light (FPL) to ensure seamless implementation. The lighting improvements will enhance visibility, improve passenger transit operations, and elevate the overall experience for transit users along the corridor. *Location: Broward County, FL. Dates: 2019–2023. HBC Fee: $1.67M. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

Miami-Dade County Parks, Recreation and Open Spaces (MDC-PROS), Multiple Parks 40-Year Building Recertification Inspection Services Contract. Senior Electrical Engineer for this MDC-PROS contract under the Equitable Distribution Program (EDP) for multiple parks' 40-year recertifications. This contract involves conducting structural and electrical inspections for various buildings across several parks. This contract includes preparing signed and sealed reports that meet MDC Regulatory and Economic Resources (MDC-RER) guidelines, ensuring all buildings comply with safety standards through a series of Task Work Orders (TWOs) addressing specific park structures, including those at Crandon Park, Country Club of Miami, and A.D. Barnes Park. *Location: Miami-Dade County, FL. Dates: 7/2024-Ongoing. HBC Fee: $26,750. Reference: Adria Gonzalez-Leiva, PE, (305) 299-6928, adria.gonzalez-leiva2@miamidade.gov*

Florida Department of Transportation (FDOT) District 4, SR-A1A from South of Jasmine Ln to North of SR-60/Beachland Blvd. This project consisted of milling and resurfacing, repairing damaged sidewalk, adding bike lanes, constructing sidewalk on east side at gap location, signalized intersection lighting retrofit at SR-A1A and Beachland Boulevard, and lighting for two new midblock crosswalks on SR-A1A at Iris Lane and Dahlia Lane. *Location: Indian River County, FL. Dates: 2019–Ongoing.*

City of West Park, SR-7 Pedestrian Lighting from County Line Rd to Pembroke Rd. Engineer of Record responsible for the design and preparation of a complete set of construction documents and incidental engineering services necessary for the Florida Power and Light (FPL) lighting improvements to the east side of SR-7 between County Line Rd and Pembroke Rd within the City of West Park, FL. Provided the services required to obtain approvals and permits from agencies having jurisdictional authority, reviewed crash history, performed photometric, developed report warrants, lighting plans, and coordinated with FPL. *Location: Broward County, FL. Dates: 2021-2022. Reference: Greg Perry, (954) 350-2705, GPerry@cityofwestpark.org.*

Maikel Fiallo Nunez, PE

Lighting Engineering

24 Years of Experience

Years with HBC
3 years

Education
B.S. in Electrical Engineering, Instituto Superior Politecnico Jose Antonio Echeverria (07/15/2001)

Registration(s)
PE (FL) No. 94434 (07/12/2022)

Licenses & Certifications
Schneider Electric Certification Course

Automatic Measurement Systems Post-Degree Course

Power Transformers Testing Post-Degree Course

MATLAB

AutoCAD 2019

LiveCount

Accubid Classic Estimating BidWinner Plus13

Ladder Logic Programming

TTC Advanced # 620316

Infrared Thermographer Level I IMT0000046979

Infrared Thermographer Level II 17023

Maikel is a professional Electrical Engineer with extensive experience working with utility companies, over 7 years of experience working as a Project Manager and coordinating a workforce team of 30 subcontractors, and 5 years of experience as a Senior Electrical Specialist preparing work orders and supervising field work. Maikel is primarily focused on power system protection, power distribution, and building design. In addition, Maikel has vast experience working as a Lighting Engineer on various projects involving roadway, bridge, navigational, and pedestrian lighting, including lighting retrofits. Maikel also possesses excellent interpersonal skills and is capable of working well under pressure and with cross-functional teams.

Florida Department of Transportation (FDOT) District 4, SR-820/Pines Blvd from the I-75 North On-Ramp to East of NW 118th Ave. Electrical Engineer for the lighting design and post-design services for this in-house design project along SR-820/Pines Boulevard from west of SW 136th Avenue to east of NW 118th Avenue. The scope includes pedestrian lighting on a 10' wide sidewalk and 5 intersection lighting retrofits including FPL luminaires. *Location: Broward County, FL. Dates: 2021-Ongoing. Reference: Karl M. Kennedy, PE, CFM, (954) 518-9040, KKennedy@ppines.com.*

Florida Department of Transportation (FDOT) District 4, Intersection Lighting Retrofit Improvements Project. Maikel served the role of Electrical Engineer responsible for lighting retrofit improvements for 29 signalized intersections. This project involved retrofitting existing light poles with Light-Emitting Diode (LED) luminaires to replace the outdated High-Pressure Sodium (HPS) luminaires and adding new light poles with LED and FPL luminaires at strategic locations to meet the standards for roadway and pedestrian lighting. Maikel also oversaw the Temporary Traffic Control Plans (TTCPs), roadway design, surveying services, and coordination with other disciplines and governmental entities. *Location: Palm Beach County, FL. Dates: 6/2021-Ongoing. HBC Fee: $1.4M. Reference: Ronald P. Wallace, PE, (954) 646-1197, Ronald.Wallace@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Widening from North of Westbound SR-84 to North of NW 1st St Project. Maikel served the role of Electrical Engineer for the corridor along SR-817/University Drive from north of westbound SR-84 to north of NW 1st Street, which has four signalized intersections within the segment that need to be retrofitted. This project entails roadway widening, milling and resurfacing, new sidewalks, signing and pavement markings, new signal mast arms, pedestrian signal upgrades, roadway lighting, and pedestrian lighting. *Location: Broward County, FL. Dates: 9/2019-Ongoing. HBC Fee: $2.9M. Reference: Alexander Estrada, PE, (954) 777-4296, Alexander.Estrada@dot.state.fl.us.*

Maikel Fiallo Nunez, PE

Expertise
Power system protection, power distribution, electrical design, lighting engineering, utility coordination, roadway and bridge lighting, electrical inspections, SCADA and PLC systems, project management, cost estimation, low-voltage systems.

Miami-Dade County Parks, Recreation and Open Spaces (MDC-PROS), Multiple Parks 40-Year Building Recertification Inspection Services Contract. Senior Electrical Engineer for this MDC-PROS contract under the Equitable Distribution Program (EDP) for the 40-year recertifications of multiple parks. This contract involves conducting structural and electrical inspections for various buildings across several parks. This contract includes preparing signed and sealed reports that meet Miami-Dade County Regulatory and Economic Resources (MDC-RER) guidelines, ensuring all buildings comply with safety standards through a series of Task Work Orders (TWOs) addressing specific park structures, including those at Crandon Park, Country Club of Miami, and A.D. Barnes Park. *Location: Miami-Dade County, FL. Dates: 7/2024-Ongoing. HBC Fee: $26,750. Reference: Adria Gonzalez-Leiva, PE, (305) 299-6928, adria.gonzalez-leiva2@miamidade.gov.*

City of Fort Lauderdale, Riverwalk North Seawall Replacement. Maikel served the role of Electrical Engineer for the improvement of th electrical system, which included load capacity, wire sizing, and voltage drop with the proposed improvement. The design follows NFPA 303 (Fire Protection Standard for Marinas and Boatyards) and NEC Article 555 (Marinas, Boatyards, and Docking Facilities). The electrical design includes the replacement of existing electrical shore-tie pedestals and the existing pier lighting using marine-grade louvered concrete bollards with Turtle Safe-Certified wildlife lighting fixtures to meet water and salt resistance requirements. *Location: Fort Lauderdale, FL. Dates: 4/2024-Ongoing. HBC Fee: $386,026. Reference: Ana Ziegler, (954) 828-5817, AZiegler@fortlauderdale.gov.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build. Maikel is serving the role of Electrical Engineer responsible for the plans production for this project, which involves reconstructing and expanding a 1.09-mile segment of an existing 2-lane roadway to a 2-lane roadway with a Two-Way Left-Turn Lane (TWLTL) and 6' wide buffered bike lanes in each direction. *Location: Miami, FL. Dates: 7/2022–Ongoing. HBC Fee: $12.6M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Venetian Causeway Lighting Desing. Maikel is serving the role of Electrical Engineer responsible for the lighting design along the Venetian Causeway from N. Bayshore Drive to Purdy Avenue, including new bridge-mounted lighting and navigation lights, as applicable for 11 bridges to be replaced. *Location: Miami Beach, FL. Dates: 5/2022–Ongoing. HBC Fee: $254K. Reference: Satiar Shirazi, (305) 265-5440, sshirazi@eacconsult.com.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. Maikel is serving the role of Electrical Engineer for this project, which involves reconstructing and expanding a 1-mile segment of an existing 2-lane roadway to a 4-lane roadway with a Two-Way Left-Turn Lane (TWLTL), where Right-of-Way (ROW) is available. *Location: Miami, FL. Dates: 4/2022–Ongoing. HBC Fee: $7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Jeremy Braithwaite, IMSA II

Traffic Engineering

8 Years of Experience

Years with HBC
5 years

Education
B.S. in Civil Engineering, Florida International University (04/29/2017)

Registration(s)
TIN No. B24024764

Licenses & Certifications
TTC Advanced No. 626241

IMSA Level 2 Certified

ITS CEI Microwave Vehicle Detection System CBT

ITS CEI Road Weather Information System CBT

ITS CEI Closed-Circuit Television CBT

ITS CEI Dynamic Message Signs CBT

ITS CEI Managed Field Ethernet Switch CBT

Expertise
Traffic data collection, traffic engineering studies, safety analysis, Intelligent Transportation Systems (ITS), signal timing analysis, microsimulation modeling, traffic impact studies.

Jeremy specializes in traffic data collection, traffic engineering studies, and Intelligent Transportation Systems (ITS), with expertise in safety analysis, signal timing optimization, and microsimulation modeling. Jeremy has contributed to projects for the Florida Department of Transportation (FDOT), Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), and Florida's Turnpike Enterprise (FTE), supporting traffic impact studies, queue warning system implementation, and intersection safety evaluations. He is proficient in Synchro, VISSIM, and advanced data analytics tools and is an IMSA Level II Certified Traffic Signal Technician with multiple ITS Construction Engineering and Inspection (CEI) certifications. Passionate about optimizing traffic flow and roadway safety, he applies cutting-edge data collection techniques to enhance transportation planning and infrastructure development.

City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project. Jeremy was the Data Collection Lead of the project to evaluate a selected alternative as part of a PD&E study for reconstructing Johnston Street from North 30th Road to North Dixie Highway to accommodate a new interconnected sidewalk on one side of the street, new lighting, fully reconstructed two-lane two-way roadway with a center turn lane, new transit bus stops, and new drainage system within the existing Right of Way (ROW). This project involved Turning Movement Counts, 72-Hour Volume Counts, Gap Data, and Speed data collection for traffic operations analysis. *Location: Hollywood, FL. Dates: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org*

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Data Collection. Jeremy is serving as Data Collection Lead for this contract, in which HBC is conducting routine traffic data collection activities for FDOT District 4 on a TWO basis. Project tasks include collection of turning movement counts, spot speed and speed profile data, volume and classification counts, pedestrian and bicycle data, and travel time and delay data, as well as assisting the District with miscellaneous data collection and traffic studies. *Location: FDOT District 4. Date: Ongoing. HBC Fee: $1.5M. Reference: Ysamary Vergara, (954) 777-4380, Ysamary.Vergara@dot.state.fl.us. FM No.: 230026-6-32-01 Contract No.: CAU65*

Florida Department of Transportation and Public Works (FDOT) District 4, Districtwide Traffic Operations Studies – Districtwide Ped/Bike Data Collection. Jeremy assisted with the Districtiwde Ped/Bike Data Collection effort, which involved collecting bicycle and pedestrian data at 14 locations throughout Palm Beach, Indian River, and Broward Counties. Jeremy coordinated all data collection efforts, identified equipment setup locations, carried out equipment installation and breakdown, performed remote monitoring of equipment, and processed and furnished collected data. Pedestrian and bicycle data for this effort was collected and provided to the Department over the course of a four-week period. *Locations:*

Broward, Palm Beach, and Indian River Counties, FL. Dates: 3/2021–4/2021. . Reference: Ravi Wijesundera, (954) 535-5153, Ravi.Wijesundera@kimley-horn.com. FM No.: 230094-6-32-01. Contract No. CAB33

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Safety Studies – Pedestrian/Bicycle Counts. HBC is currently tasked with collecting 3 consecutive days of 12-hour pedestrian/bicycle counts at 14 locations in Broward, Palm Beach, and Indian River Counties. This effort is on a tight schedule and will be completed within 1 month of Notice to Proceed (NTP). Jeremy is responsible for compiling the data collection schedule, managing the data collection crews, and compiling the collected data. *Locations: Broward, Palm Beach, and Indian River Counties, FL. Dates: 2020–Ongoing. FM No.: 230094-6-32-01. Reference: Ravi Wijesundera, (954) 535-5153, Ravi.Wijesundera@Kimley-Horn.com.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), South Corridor Transit Oriented Development (TOD) Planning Study. Jeremy is assisting with this project effort, which involves creating a Bicycle and Pedestrian Facilities Plan as part of the South Corridor TOD Master Plan. The goal of this task is to perform an infrastructure Mobility & Connectivity Assessment (Bicycle and Pedestrian Facilities Plans). Analyze and expand previous planning work which identifies needed bicycle and pedestrian facilities, and crosswalks designed for universal accessibility. Develop transit stations and developments within the TOD that include facilities that incorporate the use of emerging transportation technologies such as autonomous vehicles and micro-mobility. Improve connectivity to key regional destinations, such as employment hubs, with three-mile catchment area and first and last mile connections to stations. *Location: Miami-Dade County, FL. Dates: 2023–Ongoing. Reference: Maria Rivas, PE, (346) 901-6020, maria.rivas@aecom.com.*

Florida Department of Transportation (FDOT) District 6, Okeechobee Road Traffic Analysis. Jeremy is the Data Collection Lead and is assisting with traffic analysis for this project effort, which is focused on analyzing future traffic weaving conditions due to the planned reconstruction of the Okeechobee Road corridor. Traffic data collection including turning movement counts, 24-Hour traffic volumes, Origin-Destination data, travel times and speeds, and queuing data. This task involves developing Design Traffic and Project Traffic Forecasting utilizing data from the Southeast Regional Planning Model (SERPM) in conjunction with historical traffic data compared against population growth trends to establish accurate growth rates for projected future traffic scenarios using regression models. Additionally, the analysis includes forecasting future traffic turning movements with origin-destination data. Microsimulation analysis is being performed for existing, future no-build, and future build conditions, with collected data used for network inputs and calibration as well as distribution and forecasting of future traffic. *Location: Miami-Dade County, FL. Dates: 11/2024–Ongoing. Reference: Bao-Ying Wang, PE, (305) 470-5211, BaoYing.Wang@dot.state.fl.us. FM No.: 425144-4-32-01.* Contract No.: CA933

Greater Miami Expressway Agency (GMX), 18-kip Equivalent Single Axle Loading (ESAL) Analysis. Jeremy is assisting with traffic analysis for this project effort, which involves preparing 18-kip Equivalent Single Axle Loading (ESAL) Reports for 13 locations in the GMX Systemwide Milling and Resurfacing Project. The traffic data and forecasting analysis included identifying the current (base) year and Annual Average Daily Traffic (AADT), estimated opening year and design year AADT, Peak to Daily factor (K), directional distribution (D), percentage trucks (T) for 24-hour and design (30th highest) hour, design speed, and context classification. The trend analyses were performed using historical AADT volumes. Regression analyses were performed to determine the validity of available data and were compared for consistency with Southeast Florida Regional Planning Model (SERPM) data. *Location: Miami-Dade County, FL. Dates: 2023–Ongoing. Reference: Harold Desdunes, PE, (305) 265-5400, hdesdunes@ eacconsult.com.*

Sreelatha Nandivada, MS, PE

Miscellaneous Structures

22 Years of Experience

Years with HBC
<1 year

Education
M.S. in Civil Engineering, University of California

B.E. in Civil Engineering, University of Madras, (2003)

Registration(s)
PE (FL) No. 101195 (05/02/2025)

Also PE in CT/ NY/NC/SC/ VA/TX/CA/NV/UT/GA

Licenses & Certifications
NHI - Safety Inspection of In-Service Bridges

NHI Certification for Fundamentals and Applications of LRFR for Bridge Superstructures

Computer Skills:
Engineering Application & Analysis Tools:

PG Super

LEAP

Open Bridge Designer / Modeler

AASHTOware BrR

Enercalc

LARS

BRASS 2.0.3

Sreelatha specializes in structural engineering, with extensive experience in bridge design, load rating analysis, and structural assessments for transportation infrastructure projects. She has worked on projects for Departments of transportation, including Florida (FDOT), contributing to the design and analysis of steel and concrete bridges, pedestrian structures, and retaining walls. Her expertise includes structural modeling, load ratings, foundation design, seismic analysis, and cold-formed steel design, utilizing advanced software such as RISA, STAAD.Pro, LEAP Bridge, and AASHTOWare BrR. Sreelatha has also been involved in substation structure design, traffic signal support evaluations, and complex industrial projects, applying AASHTO, AISC, and DOT-specific standards. Licensed in multiple states, she holds certifications in bridge safety inspection and LRFR analysis, ensuring structural integrity and regulatory compliance. Passionate about delivering resilient and innovative structural solutions, she is committed to enhancing transportation infrastructure through data-driven engineering practices.

***Missouri Department of Transportation (MODOT), Route J Over Big Creek Lincoln County Br. No. A9480.** Senior Structural Engineer for the design of a 3-span bridge (80'-120'-80') utilizing NU-53 P/S Concrete NU-Girders, integral pile cap end bents with 11'-6" long turned back wings, and round concrete intermediate bents on drilled shafts and rock sockets. The bridge design also involved a roadway width of 28'-8" out-to-out. The project is 80% complete for structural design plan submission. *Location: Lincoln County, MO. Dates: 7/2024-10/2024. Reference:* Tim Nugent (Project Manager - CDG Engineers), (314) 781-7770, tnugent@cdgengineers.com.

***Texas Department of Transportation (TXDOT), Bridge X on I-10.** Senior Structural Engineer for the design of a 12-span precast girder bridge on I-10 at the 69 EB Overpass at 11th Street, part of the I-10 bridge cluster projects in Texas. Responsibilities included designing and modeling the bridge using PG Super software and LEAP. The bridge design featured integral end bents, nine intermediate bents with inverted T-bent caps, spans ranging from 9 to 12 precast girders, and lengths ranging from 93 ft to 113 ft. *Location: Beaumont, TX. Dates: 7/2022-4/2023.*

***North Carolina Department of Transportation (NCDOT), Bridge Load Ratings.** Project Engineer for performing Bridge Load Rating Analysis for municipal bridges in High Point, and for bridges in Summit County, NC, on a biannual basis. Responsibilities included conducting NCDOT load ratings for High Point municipal bridges and ratings based on Engineering Judgments for Summit County. Served as the project champion for High Point LR. The bridges ranged from concrete and steel to aluminum pipe arches. Used BrR for compatible bridges and Excel spreadsheets for rating the pipe arches. *Location: Summit, High Point, and Albemarle counties, NC. Dates: 2/2022-6/2022.*

Sreelatha Nandivada,MS, PE

***Alabama Department of Transportation (ADOT), Bridge Load Ratings.** Project Engineer for performing Bridge Load Rating Analysis for bridges in Alabama on a biannual basis. Responsibilities included preparing load rating reports per ALDOT standards and performing analysis in BrR based on ALDOT vehicles. The bridges ranged from concrete and steel to aluminum pipe arches. Used BrR for relevant compatible bridges and Excel spreadsheets for rating the pipe arches. *Location: AL. Dates: 6/2022-10/2022*.

***Missouri Department of Transportation (MODOT), Pedestrian Bridge Rte. 66.** Senior Structural Engineer for an alternative cost comparison study involving three truss spans between Piers No. 2 & 5, with span lengths of 130'-6" - 132' - 130'-6". The alternative design was performed with steel plate girders for spans 2, 3, and 4 as a continuous composite three-span steel bridge. The slab is self-supporting over 11 ft girder spacing. A comparative cost analysis was conducted for steel and prestressed concrete designs. *Location: MO. Dates: 7/2024-10/2024.*

***Fire Department, Baytown, TX, Boathouse Docking Structure Design (Structural Steel OMF) for Fireboat, Baytown, Texas.** Structural Engineer for designing a standalone moment frame steel building structure to dock the emergency fireboat at Baytown Marina, accounting for the area's designation as a hurricane zone with wind speeds up to 165 mph. Responsibilities included developing structural plans and specifications for the boathouse to accommodate high tide levels and hurricane wind speeds while ensuring compliance with maritime structure guidelines, local building codes, and regulations. Used RISA connection software to develop detailed connection designs, ensuring stability under extreme wind loads. Collaborated with architects, contractors, and stakeholders to integrate structural elements seamlessly into the overall design. *Location: Baytown, TX. Dates: 6/2023-1/2024.Reference:* Feifei Bai (Manager - Volkert, Inc.), (281) 466-2813, feife.b@volkert.com.

***Bridge Rehabilitation/Repairs of Brooklyn Bridge.** Brooklyn Bridge, a cable-stayed/suspension bridge in New York City and one of the oldest bridges in the United States. The Brooklyn Bridge spans the East River, connecting the boroughs of Manhattan and Brooklyn. Responsible for drawing reviews and design for repairs on deteriorated conditions found on slab including field measurements and recommendations. *Location: NY. Dates: 2010-2013.*

***New York Department of Transportation (NYDOT), Retaining Wall Design, JetBlue Terminal, JFK.** Served as Lead Structural Engineer for the design of a concrete retaining wall supporting the JetBlue Pedestrian Ramp at JFK Airport, overseeing load analysis, stability assessment, reinforcement detailing, and ensuring compliance with NYDOT standards and airport structural requirements. *Location: Queens,* NY. *Dates: 2009-2010. Reference: John Hopkewizc (Project Manager - AECOM), (860) 263-5800, john.hapkiewic@aecom.com*

***Substation Structures Design.** Senior Structural Engineer for the design of single-phase and three-phase high-voltage bus support structures for multiple substations in Missouri. The project involved preparing calculation packages and shop drawings for Ameren Standard Substation structures. The design was modeled in STADD Pro and analyzed in accordance with IBC 2018, ASCE 7-16, AISC 360-10, and ACI 318-14 for steel design, connection detailing, and concrete column foundation design. *Location: MO. Dates: 2025.*

Bar7

Staad pro

Virtis,SAP2000WinAbut

Microsoft Excel and Office Suite.

Ever-FE

3D modeling Tools:

RISA Connection RISA 3D

AutoCad Inventor

Autocad

Microstation

Expertise

Structural engineering, seawalls, retaining walls, structural wall evaluats, coastal infrastructure, bridge design, load raiting, foundations, miscellaneous structures.

Bunrith Heng, MS, PE

Miscellaneous Structures

31 Years of Experience

Years with HBC
<1 year

Education
M.S. in Civil Engineering Science, University of New South Wales, (1999)

B.S. in Civil and Industrial Construction Eng, Institute of Technology of Cambodia, (1994)

Registration(s)
PE (FL) No. 94776 (9/8/2022)

Licenses & Certifications
Autodesk Cert. Civil 3D

Autodesk Cert. Revit

*** Prior to HBC**

Bunrith is a professional engineer with comprehensive experience in structural engineering and construction. He is proficient in CSI Etabs, SAP2000, SAFE, Enercal, Mathcad, Autodesk Civil 3D, MX Road, Autodesk Rivit, Risa 3D, Staad Pro, Microsoft Project, Primavera Project Planner, Microsoft Office and VBA and Python Programming. He has extensive experience in Structural design of building, highway geometrical design, land development, and Topographical survey and survey data processing. In 2001, Bunrith started a small engineering and construction company called Angkor Wat Engineering and Construction (AWEC) and had been maintaining the operation until the end of 2013. AWEC had been providing civil engineering, surveying and construction management services to many major companies and organization such as KCI inc., Taisei corporation, Kubota, LBI, Konoike construction Ltd., CTI engineering, Pisnoka inc. in association with Zachry company, Australia Cambodia Foundation and many more. AWEC had contracted to work as independent structural engineering firm in the United States Embassy compound buildings, Cambodian Mekong university construction project, and many more buildings and bridges construction.

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Widening from Nova Dr to SR-84. Structural engineer responsible for reviewing calculation packages, establishing technical specifications for bus shelters and drawings for bus shelters, mast arms, and sign structures. *Location: Davie, FL. Dates: 04/28/2022–Ongoing. Contract Amount: $1,724,859.00. Contract No.: CAI67. FM No.: 445624-1-32-01. Reference: Lance Jones, (954) 777-4680, lance.jones1@dot.state.fl.us.*

***Fleming Hotel, LLC, The Hampton Inn.** Bunrith servered at the Senior Structural Engineer for this project tasks included structural modeling using ETABS, load take down, Irregular analysis, Seismic analysis of the building using Mathcad to compare with response spectrum analysis on ETABS, proposed structural solution, design of steel and reinforce concrete structural elements of the building, Foundation analysis and design with SAFE, lead drafter to produce drawings, coordinate with Architect and other related designed disciplines. Location: Ponce, Puerto Rico. Date: 4/2022 - 6/2022. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***Disney Enterprise, Inc, Light House Point Project.** Senior structural engineer for structural analysis and design of one-story masonry and wood building, concrete foundation analysis and design, concrete columns and beams design, lead drafters to produce drawings.Location: Bahamas. Date: 4/2022 - 6/2022. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***University of Florida, Archer Place Apartment Phase 1 and 2.** Senior structural engineer for structural analysis and design of two 7 stories building with reinforced concrete and masonry walls and hollow core plank slab. Pile foundation and reinforced concrete transferred beam design, lead drafter to produce drawings. Location: UF, Gainesville, FL. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***The Jay Odom Group, Holiday Inn Express & Suites.** Senior structural engineer for structural analysis and design of a 4-stories masonry building with transferred steel girders and hollow core plank slab. The tasks

included structural modeling and structural analysis of the structure in ETABS, masonry shear wall design, structural analysis and design of steel transferred beams and columns using SAP2000, concrete foundation analysis and design using CSi SAFE, sanity check of structural elements using Enercalc, Mathcad and spreadsheet, lead drafter to produce drawings.Location: Ft. Walton Beach, FL. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***Nestor J. Ruiz, Thru by Hilton Hotel.** Senior structural engineer for structural analysis and design of a 8-stories post-tension concrete slab building with elevated car park. The tasks included performing structural analysis, building irregularity check, seismic analysis, and concrete shear walls and column design using ETABS, carried out initial post-tension design to provide data for post-tension the contractor using SAFE, punching shear and stud rail design, foundation analysis and design, steel structures and other auxiliary structures design, steel connection using IdeaStatica, sanity check of structural elements using Enercalc, Mathcad and spreadsheet, lead drafter to produce drawings. Location: Condado, Puerto Rico.

***The Jay Odom Group: Element Hotel by Westin.** Element hotel by Westin, 5 stories with two designed options—cmu wall with post-tension slab or hollow core slab. The tasks included structural modeling and structural analysis of the structure in ETABS, masonry shear wall design, initial design of post-tension slab, structural analysis and design of steel transferred beams and columns using SAP2000, concrete foundation analysis and design using CSi SAFE, , steel connection using IdeaStatica, sanity check of structural elements using Enercalc, Mathcad and spreadsheet, lead drafter to produce drawings. Location: Grand Lagoon, FL. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***Shah Realty Partners LLC, Shah Villa.** Senior structural engineer for structural analysis and design of a 5 stories cmu and hollow core slab. The tasks included structural modeling and structural analysis of the structure in ETABS, masonry shear wall design, structural analysis and design of steel transferred beams and columns using SAP2000, concrete foundation analysis and design using CSi SAFE, steel connection using IdeaStatica, sanity check of structural elements using Enercalc, Mathcad and spreadsheet, lead drafter to produce drawings. Location: Bradenton, FL. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***The Jay Odom Group, Marriott TownePlace Suites.** Senior structural engineer for structural analysis and design of a 4-stories hotel. The tasks included structural modeling and structural analysis of the structure in ETABS, masonry shear wall design, structural analysis and design of steel transferred beams and columns using SAP2000, concrete foundation analysis and design using CSi SAFE, steel connection using IdeaStatica, sanity check of structural elements using Enercalc, Mathcad and spreadsheet, lead drafter to produce drawings. Location: Grand Lagoon, FL. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***The Jay Odom Group: Beast Code Office.** Senior structural engineer for structural analysis and design of a 2-stories office and data center building with 50 ft Vulcraft composite joists, steel girders and composite deck. The tasks included structural modeling, structural analysis of the structure in ETABS and design of steel girders and columns, steel connection design using IdeaStatica, concrete foundation design, Vulcraft composite deck design and provide load schedule for Vulcraft to design steel joists. Location: Ft. Walton Beach, FL. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***SSA Marine Mexico, Port Progreso Facility.** Senior structural engineer for structural design of 12 masonry and wood buildings in combination with structural steel components. The tasks include structural analysis and design of cmu shear walls, concrete, steel and wood structures, retaining walls and foundation using Enercalc and spreadsheet and Mathcad, steel connection design using IdeaStatica, leading drafters to produce drawing for 12 buildings. Location: Yucatan, Mexico. *Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

Alejandra Mendoza-Diaz, EI

Drainage Engineering

3 Years of Experience

Years with HBC
3 years

Education
B.S. in Civil Engineering, University of Miami (05/12/2023)

Registration(s)
EI (FL) No. 1100027333 (11/28/2023)

Licenses & Certifications
MOT

Affiliations
American Society of Civil Engineers (ASCE)

Expertise
Roadway design, drainage design, maintenance of traffic (MOT), building information modeling (BIM), computer-aided design and drafting (CADD), civil engineering analysis.

***Prior to HBC**

Alejandra graduated from the University of Miami (UM) with a Bachelor of Science in Civil Engineering (BSCE), passed her Fundamentals of Engineering (FE) exam, and received her Florida Engineer Intern (EI) Certificate. Alejandra was hired by HBC Engineering Company (HBC) and is currently working with the Roadway Division, where she is practicing and expanding her theoretical engineering knowledge and complementing it with the hands-on experience that she is gaining from working on real-life roadway projects involving roadway and drainage design. Alejandra's main goals at HBC are to learn as much as possible from its highly qualified and experienced professional staff and lead impactful projects that promote sustainable engineering practices. Alejandra is currently applying her theoretical knowledge and gaining hands-on experience working on real-life roadway projects involving roadway, Maintenance of Traffic (MOT), and drainage design.

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build. This project involves the widening and reconstruction of NE 2nd Avenue from NE 20th Street to NE 36th Street in Miami-Dade County. Alejandra is the EI responsible for providing the drainage structure cross sections and spread calculations. *Location: Miami, FL. Dates: 10/2023–Ongoing. HBC Fee: $12.6M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Palm Beach County (PBC), Basin H1 – Stormwater Improvements. This project involves the modeling and design of a new stormwater system for the City of Belle Glade's existing communities within Sub-Basin H1 of Basin H, as identified in the Stormwater Master Plan (SWMP). The scope includes 7,300 linear feet of drainage pipes (18"–54"), 65 drainage structures, one outfall to the South Florida Conservancy District C1 Canal, and one downstream defender device for water quality treatment. Responsibilities include drainage design and layout, H&H modeling, and drainage analysis to ensure effective stormwater management and compliance. *Location: Belle Glade, Palm Beach County Dates: 8/5/2024–Ongoing. HBC Fee: $12.6M. Reference: Al Caruso, 954-782-8222, acaruso@craigasmith.com*

Palm Beach County (PBC), Boca Rio Rd Widening from Palmetto Park Rd to Glades Rd. This project involves the widening and reconstruction of Boca Rio Road from Palmetto Park Road to Glades Road in Palm Beach County. Alejandra is the EI responsible for providing the drainage structure cross sections, drainage maps, and spread calculations.. *Location: Boca Raton, FL. Dates: 10/2023–Ongoing. HBC Fee: $660,977. Reference: Jonathan DeLaura, (561) 684-4013, jdelaura@pbcgov.org.*

Florida Department of Transportation (FDOT) District 4, SR-817/University Dr Widening from Nova Dr to SR-84. This project involves the widening and reconstruction of SR-817/University Drive from Nova Drive to SR-84 in Broward County. Alejandra is the EI responsible for providing the drainage structure cross sections and spread

calculations. *Location: Davie, FL. Dates: 10/2023–Ongoing. Reference: Adham Naiem, (954) 777-4440, adham.naiem@dot.state.fl.us.*

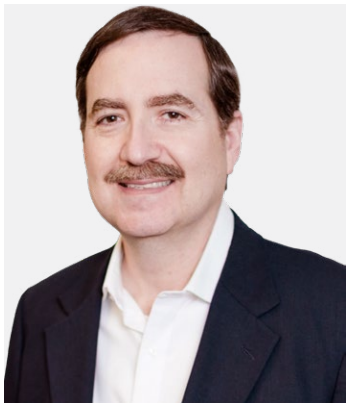
***University of Miami (UM), Structures & Materials Center Research Laboratory Assistant.** As a research laboratory assistant for the University of Miami Structures and Materials Center, Alejandra tested carbon fiber reinforced polymer tabs in a tensile test, strictly following American Society for Testing and Materials (ASTM) standards. She also analyzed the data collected from the research of different materials and utilized programs to decipher patterns and conclude the effectiveness of materials. In addition, Alejandra compared the results of different materials, to conclude how a material may be used in real-word scenarios for construction, using numerous machines and programs to organize the data. *Location: Coral Gables, FL. Dates: 5/2022–8/2023. Reference: Ana De Diago Castro, (786) 200-8324, abd87@miami.edu.*

***University of Miami (UM), The Vert Construction Senior Project Manager/Civil Engineer.** Alejandra oversaw the development of a mixed-use building design and engineering systems. She remained focused on the overall purpose of the project, while designing civil systems for the functionality of the development. *Location: Coral Gables, FL. Dates: 8/2022-5/2023. Reference: Matthew Trussoni, (305) 284-2991, trussoni@miami.edu.*

***University of Miami (UM), Civil Engineering Department Teacher's Assistant.** Alejandra assisted Dr. Landolf Barbarigos in Behavioral Structure II with grading, organization, and the learning process for the students. She overlooked 87 students enrolled in the course, graded the students' assignments, and helped them with any questions or concerns they may have had during the course. *Location: Coral Gables, FL. Dates: 1/2022-5/2022. Reference: Dr. Landolf Barbarigos, (305) 284-3489, lxr382@miami.edu.*

Teodoro Tefel, PE

Maintenance of Traffic (MOT)



38 Years of Experience

Years with HBC
5 years

Education
B.S. in Civil Engineering, Florida International University (12/12/1987)

Registration(s)
PE (FL) No. 50106 (02/15/1996)

Certifications
Advanced MOT

Expertise
Roadway design, maintenance of traffic (MOT), traffic control plans (TCPs), signing and pavement marking (S&PM), highway reconstruction, milling and resurfacing, interchange design, roadway widening, drainage analysis, project management.

***Prior to HBC**

Teodoro has extensive experience working on various civil engineering projects involving roadway design. He has served the roles of Support Engineer, Project Engineer, Senior Roadway Engineer, and Engineer of Record (EOR) successfully and has been responsible for management and plans review. He has also served as in-house consultant for the review of design variations and exceptions for the Florida Department of Transportation (FDOT) District 6 Design Office. In addition, Teodoro also has significant experience in the design of Signing and Pavement Marking (S&PM) plans, Maintenance of Traffic (MOT) plans, Traffic Control Plans (TCPs), and Temporary Traffic Control Plans (TTCPs).

Florida Department of Transportation (FDOT) District 6, Districtwide Resurfacing Scoping Reports. Teodoro is serving the role of Engineer of Record (EOR) and is responsible for preparing districtwide resurfacing scoping reports, by analyzing the existing conditions, to determine deficiencies and establish or substantiate the project purpose and need. He is also developing project alternatives to satisfy the identified deficiencies or needs within the corridor. The evaluation of alternatives includes transit or transportation system improvement options. Most deliverables are preliminary cost sections, based on the engineer's estimates, preliminary drainage analysis and plans, conceptual roadway plans, approved typical section package, and variances and exceptions sections. *Location: Miami-Dade County, FL. Dates: 2023-2026. FM No.: 250759-5-22-01. Contract No.: CAN23. HBC Fee: $1.5M. Reference: Md S Hossain, MS, EI, (305) 470-5342, Md.Hossain@dot.state.fl.us*

Florida Department of Transportation (FDOT) District 1, SR-29 Milling and Resurfacing from North of Wagon Wheel Rd to South of I-75. Teodoro is serving the role of Support Engineer for Milling and Resurfacing (M&R) and Signing and Pavement Markings (S&PMs) on SR-29 from north of Wagon Wheel Road to south of I-75. *Location: Collier County, FL. Dates: 2023-2025. FM No.: 448929-1-32-01. Contract No.: CAN28. HBC Fee: $1M. Reference: Christopher Speese, (239) 225-1973, christopher.speese@dot.state.fl.us.*

Palm Beach County (PBC), Boca Rio Rd Widening from Palmetto Park Rd to Glades Rd. Teodoro is serving the role of Support Engineer for the reconstruction and widening of Boca Rio Road from Palmetto Park Road to Glades Road in Palm Beach County, Florida. *Location: Palm Beach County, FL. Dates: 2022–2024. HBC Fee: $660K. Reference: Jonathan DeLaura, (561) 684-4013, jdelaura@pbcgov.org.*

Miami-Dade County Water and Sewer Department (MDC-WASD), Maintenance of Traffic (MOT) Control Plans for New 16" Diameter Water Main along NW 37th Ave between NW 36th St and NW 82nd St. Teodoro served the role of Project Engineer responsible for designing a Temporary Traffic Control Plan (TTCP) for the installation of 14,400 LF of a 16" diameter water main along NW 37th Avenue from NW 36th Street/SR-948 to NW 82nd Street (Miami-Amtrak Station). This project was accomplished by using tables to reference applicable details and indexes for such locations. This included lane closure analysis, summary of quantities, and precise

TTCP phases and plans, to safely facilitate the routing of traffic through work zones. Teodoro coordinated with Miami-Dade County (MDC) Water and Sewer Department (WASD), FDOT District 6, and stakeholders, as necessary, to ensure feedback and approval of the proposed TTCP design. *Location: Miami-Dade County, FL. Dates: 2020–2021. HBC Fee: $40K. Reference: Arnelio Alfonso, PE, (305) 592-7283, Aalfonso@apcte.com.*

Miami-Dade County Water and Sewer Department (MDC-WASD), Maintenance of Traffic (MOT) Control Plans for New 8" Diameter Gravity Sewer Line along NW 37th Ave between NW 36th St and NW 82nd St. Teodoro served the role of Project Engineer responsible for designing a Temporary Traffic Control Plan (TTCP) for the installation of 26,860 LF of an 8" diameter gravity sewer line along NW 37th Avenue and adjacent areas from NW 36th Street/SR-948 to NW 82nd Street (Miami-Amtrak Station). This project was accomplished by using tables to reference applicable details and indexes for such locations. This included lane closure analysis, summary of quantities, and precise TTCP phases and plans to safely facilitate the routing of traffic through work zones. Teodoro also coordinated with Miami-Dade County (MDC) Water and Sewer Department (WASD), FDOT District 6, and stakeholders, as necessary, to ensure feedback and approval of the proposed TTCP design. *Location: Miami-Dade County, FL. Dates: 2020–2021. HBC Fee: $85K. Reference: Arnelio Alfonso, PE, (305) 592-7283, Aalfonso@apcte.com.*

Florida Department of Transportation (FDOT) District 6, SR-25/US-27/Okeechobee Rd from the Miami-Dade County Line to SR-826/Palmetto Expressway. Teodoro served the role of Senior Engineer responsible for the review of roadway design plans for the reconstruction of this 10-mile section, which includes four (4) major interchanges. *Location: Miami-Dade County, FL. Dates: 2020-2021. HBC Fee: $3.96M. Reference: Bao-Ying Wang, PE, (305) 470-5211, Baoying.Wang@dot.state.fl.us.*

***Florida Department of Transportation (FDOT) District 6, In-House Consultant Under the General Engineering Consultant (GEC) Contract.** Teodoro served the role of Senior Engineer and Florida Department of Transportation (FDOT) District 6 In-House Consultant responsible for the review of design variations and exceptions and typical section packages for approval by the District 6 Design Engineer. Teodoro also performed proactive coordination with consultant firms. *Location: Miami-Dade County, FL. Dates: 2016–2020. Contract Amount: $5M. Reference: Daniel Iglesias, PE, (305) 470-5266, Daniel.Iglesias@dot.state.fl.us.*

***Florida Department of Transportation (FDOT) District 6, Express Lane on SR-826/Palmetto Expressway from Flagler St to NW 154th St and SR-93/I-75 from SR-826/Palmetto Expressway to NW 170th St.** Teodoro served the role of Project Engineer for this 14-mile Preliminary Engineering project. The design included the major highway reconstruction, widening, and Milling and Resurfacing (M&R) of SR-826/Palmetto Expressway, SR-93/I-75, and frontage roads, as well as the construction of a 2-lane SR-826/Palmetto Expressway to SR-93/I-75 flyover connector. *Location: Miami-Dade County, FL. Dates: 2014–2015. Contract Amount: $1M. Reference: Judy Solaun-Gonzalez, PE, (305) 470-5343, Judy.Solaun@dot.state.fl.us.*

***Florida Department of Transportation (FDOT) District 6, SR-826 (Palmetto Expressway)/SR-836 (Dolphin Expressway) Interchange Reconstruction (Section 5).** Teodoro served the role of Senior Roadway Engineer responsible for plans review of complex major limited access facilities. The SR-826 (Palmetto Expressway)/SR-836 (Dolphin Expressway) Interchange is a heavily traveled 4-level system to system interchange in Miami-Dade County. *Location: Miami-Dade County, FL. Dates: 2013–2016. Contract Amount: $300M. Reference: Ali Toghiani, PE, (305) 470-5343, Ali.Toghiani@dot.state.fl.us.*

David Coker, EI

Maintenance of Traffic (MOT)

7 Years of Experience

Years with HBC
6 years

Education
B.S. in Civil Engineering, Florida International University (12/08/2018)

Registration(s)
EI (FL) No. 1100023530 (6/26/2020)

Licenses & Certifications
TTC Advanced #57886

IMSA Traffic Signal Technician Level 1

Certified Drone Pilot

Bentley OpenRoads 3D Modeling

Synchro and Vissim Simulations

Expertise

Roadway design, traffic engineering, traffic safety studies, signalization, maintenance of traffic (MOT), temporary traffic control, traffic simulation, data collection, drainage design.

David specializes in roadway and traffic engineering, with expertise in 3D roadway design, traffic operations analysis, and signalization. He has worked on highways, arterial roads, and transit projects, utilizing Bentley OpenRoads Designer for advanced modeling and ensuring compliance with FDOT standards. His background includes horizontal geometry, drainage design, ADA compliance, temporary traffic control, and traffic safety studies, along with extensive experience in traffic impact analysis, signal retiming, and simulation modeling using Synchro and Vissim. He has contributed to major projects, including the NW 84th Ave Reconstruction, SR-817 Widening, and Miami-Dade SMART Plan BERT, where he conducted traffic control analysis, microsimulations, and transit signal priority (TSP) optimization. Certified in Advanced MOT and as an IMSA Traffic Signal Technician, he is also a licensed drone pilot. David integrates innovative technology and data-driven solutions to enhance roadway safety, optimize traffic flow, and improve transportation infrastructure.

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Widening from Nova Dr to SR-84. This project consists of the widening of one lane along approximately 0.5 mile of SR-817/University Drive from south of Nova Drive to SR-84. This project includes the addition of a choice lane and the widening of the on-ramp by one lane, connecting to I-595. Bike lanes and shared-use path modifications will be included within the reconstruction. David is responsible for assisting with the roadway and drainage design and the development of Temporary Traffic Control Plans (TTCPs). *Location: Davie, FL. Dates: 2022–2024. HBC Fee: $1.75M. Reference: Adham Naiem, PE, (954)-777-4440, adham.naiem@dot.state.fl.us. FM# 445624-1-32-01,* Contract No.: CAI67

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. David is serving the role of lead project engineer intern responsible for the development of roadway and drainage engineering plans. This project involves the reconstruction of 1 mile of existing two-lane roadway to expand it into a 4-lane roadway with Two-Way Left-Turn Lane (TWLTL), where Right-of-Way is available. The overall design effort includes the design of new closed drainage conveyance systems, connection to existing outfall and stormwater retention facilities, replacement of existing CMP culverts to RCP culvert crossings, and designing a new stormwater management facility to compensate for the additional impervious areas. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: $7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Northeast Corridor FTA Categorical Exclusion Data Collection. David assisted with all data collection tasks for this project, which involved evaluating impacts of

implementing 13.5 miles of new commuter rail service. He was responsible for overseeing and preparing traffic data collection and performing safety analysis over an initial four month period (with supplemental intersections later added) for 76 study intersections, including Turning Movement Counts (TMCs), 292 72-hour approach volume counts, traffic signal, pre-emption, and geometric data, field review of existing conditions, queuing data, Spot Speed studies at 36 locations, and safety analysis for 52 state road intersections. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Reference: Morteza Alian, Morteza.Alian@parsons.com, (305) 507-3843*

Florida Department of Transportation (FDOT) District 6, Districtwide Traffic Operations Studies Contract for SR-959/Red Rd/SW 57th Ave at SW 19th St. This project evaluated the feasibility of installing a pedestrian crosswalk and determining recommendations for potential improvements in response to citizen complaints at the study intersection. David performed data collection for this project, which involved 72-Hour traffic volume approach counts, 8-Hour Turning Movement Counts, and vehicle gap measurements. He also performed safety analysis for the location, pedestrian evaluation and analysis, and provided recommendations based on the the FDOT Traffic Engineering Manual (TEM). *Location: Miami-Dade County, FL. Dates: 12/2020–01/2021. Reference: Xaviel Llerena, (305) 470-3935, Xaviel.Llerena@dot.state.fl.us. FM# 249796-9-32-01,* Contract No.: CA 139

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 25th St Reconstruction from NW 117th Ave to NW 87th Ave. This project consists of the full reconstruction of approximately 3.0 miles of the existing roadway from a 4-lane road to a 6-lane road with raised median, sidewalk on the south side, shared-use path on the north side with the appropriate structural supporting system for the path, due to widening into the North Line Canal, curb & gutter, stormwater drainage system, signing and pavement marking, traffic signalization, roadway lighting, environmental permitting, and construction administration. David is responsible for the drainage design, analysis, and permitting of the proposed roadway widening improvements. *Location: Miami, FL. Dates: 2019–Ongoing. Reference: Alejandro Uribe, PE, (305) 908-3935, auribe@gfnet.com.*

Florida Department of Transportation (FDOT) District 6, SR-25/US-27/Okeechobee Rd Transportation Management Plan (TMP). David assisted with all traffic engineering tasks for this project, which involved coding the VISSIM microsimulation model for the corridor, including all detour and diversion routes. He also assisted with the Synchro Analysis of the project corridor. Four microsimulation scenarios were tested: base model, during construction no closure, 1 lane closure, and full closure. This required balancing traffic, determining the traffic growth rate over the course of construction, generating AM and PM models for each scenario, and optimizing the signal timing for each scenario. Smart Work Zones were identified, based on the dynamic assignment of the models. *Location: Miami, FL. Duration: 2019–2020. Reference: Bao-Ying Wang, PE, (305) 470-5211, Baoying. Wang@dot.state.fl.us. FM# 423251-2-32-01,* Contract No.: C9R91

Florida Department of Transportation (FDOT) District 6, Hialeah Freight Study. The Hialeah Freight Study was part of a regional planning effort to facilitate freight movement in Miami-Dade County. FDOT District 6 investigated freight corridors within the City of Hialeah and surrounding areas, to develop a plan of alternatives that enhance freight connectivity and minimize transportation conflicts. David's primary responsibility was data collection. This effort included AM peak, Mid-day peak, and PM peak weekday Turning Movement Counts (TMCs) at 29 intersections. The counts were conducted at all movements for each intersection, including special movements, such as fly over ramps, utilizing Miovision Scout cameras. Data collection also included volume and full vehicle classification, including pedestrians on crosswalks and bicyclists on the road. *Location: Hialeah, FL. Dates: 3/2019–4/2019. Reference: Michael Wahlstedt, PE, PTOE, (816) 329-8600, MRWahlstedt@transystems.com.*

Christopher Soto, PE, RSO

LAP Compliance Specialist | Constructability Review

13 Years of Experience

Years with HBC
1 year

Education
B.S. in Civil Engineering, Florida International University (08/03/2015)

Registration(s)
PE (FL) No. 91722 (06/22/2021)

TIN No. S30010689

Licenses & Certifications
ADA Training Certified

FDOT Advanced MOT

FDOT CTQPs:

- Asphalt Paving Levels I & II
- Earthwork Construction Inspection Levels I & II
- Final Estimates Levels I & II
- Drilled Shaft Level I
- CI – Concrete Field-Testing Critical Structures Construction Issues
- Concrete Field Technician Level I
- Radiation Safety Officer (RSO)
- Nuclear Guage Safety/

Christopher specializes in Local Agency Program (LAP) compliance, contract administration, and construction engineering and inspection (CEI) for roadway and infrastructure projects. He has extensive experience managing LAP-funded projects for FDOT Districts 4 and 6, Miami-Dade County, the City of Doral, and the Town of Medley, ensuring compliance with federal and state funding requirements. His expertise includes grant compliance, funding documentation, project audits, cost estimating, permitting, and construction oversight, with a strong focus on delivering roadway, pedestrian, drainage, and utility infrastructure improvements. Christopher has played a key role in coordinating funding reimbursements, conducting project audits, and ensuring adherence to regulatory standards to support successful project execution. Proficient in FDOT LAP procedures, he works closely with municipalities and agencies to streamline project delivery and maximize funding utilization. Passionate about enhancing transportation infrastructure through effective project management, he is committed to delivering high-quality solutions that improve mobility and safety in local communities.

Palm Beach County (PBC), CEI Services for the Seminole Blvd Multi-Use Trail and Pedestrian Lighting LAP Project. Senior Project Engineer for this project, which involves several significant enhancements, including the installation of designer poles to improve lighting aesthetics, widening of concrete sidewalks on the east and west sides of the corridor from 6' to 12' to accommodate pedestrians and bicyclists, and upgrades to the drainage system. The drainage improvements include the addition of 30" and 18" French drains and supplemental manhole structures. This project also encompasses milling and resurfacing throughout the project limits and installation of steel guide rails and full-width detectable surfaces to ensure compliance with American with Disabilities Act (ADA) requirements, which are coordinated alongside the lighting improvements. This project required adherence to federal and state standards, including FDOT guidelines and ADA compliance. Chris provided daily reports, photo documentation, Maintrenance of Traffic (MOT) and Stormwater Pollution Prevention Plan (SWPPP) checks, and biweekly meetings. *Location: West Palm Beach, FL. Dates: 5/2023-Ongoing. Reference: Zachary King, (561) 648-4178. zking@pbcgov.org. Construction Cost: $1.8M.*

Palm Beach County (PBC), CEI Services for Wabasso Dr over LWDD L-2 Canal Bridge Replacement LAP Project. Senior Project Engineer for this project, which involved the removal of the existing bridge and replacement with an 8'X12' box culvert; full reconstruction of Wabasso dr from Aspen Rd to Oswego Ave, including two 10' travel lanes, a 4' sidewalk, and 10' grass swales on both sides of the road; enhancements to the drainage system to improve water management and prevent flooding; and, asphalt paving, pavement markings, pedestrian mobility improvements, and landscape upgrades to enhance the overall functionality and aesthetics of the area. *Location: West Palm Beach, FL. Dates: 05/2022-5/2023. Reference: Vipin C. Mehta, (407) 657-6662. Contract No.: 2021052-CSA No. 3.*

Christopher Soto, PE, RSO

***City of Doral, Federally Funded Citywide Pedestrian, Drainage, & Roadway Improvements LAP Project.** Senior Project Engineer for this LAP funded project that involved multiple locations in Doral, including NW 27th Street, NW 102nd Avenue, NW 87th Court/NW 26th Street, NW 89th Court, and NW 84th Avenue, and consisted of various construction operations, such as sidewalks, driveways, curb and gutter, storm sewer manholes, French drains, sub-base and base restoration, pavement restoration, pavement markings, tree removal and relocation, and sod restoration. Christopher was responsible for conducting bi-weekly progress meetings, managing invoices, assisting the City of Doral with state funding packages for reimbursement, obtaining permits from local governing agencies, facilitating daily inspections, and handling all documentation for project closeout, including a comprehensive punch list. A dedicated Construction Support Specialist (CSS) ensured accurate data entry into GAP and organized all project documentation for timely reimbursement submissions of the allocated federal funds. *Location: Doral, FL. Dates: 11/2022–2/2023. HBC Fee: $1M. Reference: Julio Amoedo, MPA, CGC, CUC, GEC, (305) 593-6740, julio.amoedo@cityofdoral.com. FM No. 440847-1. Contract G1628. Federal ID No. D618-082-B.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design-Build Services for The Underline - Phase II. QA/QC and Constructability Reviewer for this Design-Build Project that involves improvements along the Metrorail Right of Way (ROW) including signing and pavement markings, wayfinding signage, street furniture, landscaping, and lighting. The area of this project spans from SW 13th Street to SW 19th Avenue along the Underline. The segment is 2.4 miles long and adjacent to the Vizcaya Metrorail Station. The scope of work includes civil design, landscaping design, electrical design, surveying, geotechnical engineering, permitting, signing and pavement markings, public involvement, and coordination of design with utility companies, MDC, and the City of Miami. In addition, the scope of work also involves potential archaeological monitoring and environmental investigation, remediation, and reporting. *Location: Miami, FL. Dates: 04/42024-Ongoing. Reference: Mario B. Rojas IV, PE. HBC Fee: $32K. Construction Cost: $20M. Contract No.: DB18-DTPW-01.*

Miami-Dade County Department of Transportation and Publis Works, Design Build Services for the Reconstruction of NE 2nd Ave from NE 20th Street to NE 36th Street. As the Constructability Reviewer, Chris delivered comprehensive design-build services for the reconstruction of NE 2nd Avenue from NE 20th Street to NE 36th Street, focusing on roadway reconstruction, stormwater system upgrades, pedestrian and traffic enhancements, and utility improvements. The role includes engineering design, construction documentation, permitting, and project coordination to ensure seamless execution, covering roadway and pedestrian improvements, drainage upgrades, utility installations, and traffic signal enhancements. This project will modernize NE 2nd Avenue, improving safety, drainage capacity, pedestrian access, and utility infrastructure while ensuring timely and effective delivery through efficient planning and coordination. *Location: Miami , FL. Dates: 05/2023- Ongoing. Reference: Alejandro Sauleda, PE, (305) 375-4866,* Alejandro.Sauleda@miamidade.gov, *HBC Fee: $1.1M. Construction Cost: $11.5M.*

Hazmat Radioactive Safety Officer ADA Construction

- Thermography Levels I & II No. 14894
- QC Manager (scheduled)

Expertise
Construction engineering and inspection (CEI), contract administration, roadway and bridge construction, maintenance of traffic (MOT), drainage and stormwater management, utility infrastructure, safety compliance, Local Agency Program (LAP) projects.

Languages
English and Spanish

***Prior to HBC**

Michael Schawe, IMSA I

Construction Administrator

51 Years of Experience

Years with HBC
4 years

Education
FDOT Engineer Training Program, Broward Community College

Registration(s)
TIN No. S00055556

Licenses & Certifications
FDOT CTQPs:

- Final Estimate Levels I & II
- Asphalt Paving Levels I & II
- QC Manager
- Concrete Field Tech Level I

ACI Level I Field Inspector # 01210119

IMSA Traffic Signal Technician Level I

IMSA Traffic Signal Inspector Level I

Advanced MOT – TSSA/ IMSA

Advanced Temporary Traffic Control (TTC) Certificate # 612243

FHWA 40-Hour Bridge Inspector Course

Michael is an accomplished Construction Engineering and Inspection (CEI) Project Manager with extensive expertise in managing projects for the Florida Department of Transportation (FDOT) and the Central Florida Expressway Authority (CFX). He currently oversees CEI projects across FDOT Districts 4, 5, 6, and 8, as well as CFX projects, and has previously managed initiatives for the City of Naples and FDOT Districts 2, 3, and 5. With 24 years of FDOT experience, Michael has a comprehensive understanding of major construction operations, including roadway construction, concrete and steel bridges, movable bridges, earthwork, drainage systems, utility installations, railroads, and tunnels. His expertise extends to advanced structures like concrete curved U-Beams and pre-cast, pre-stressed, and post-tensioned segmental bridges. Michael's background also includes extensive work in roadway sampling, testing, and quality assurance for asphalt and concrete placement. As a former FDOT Engineer in Training, he has honed his skills across multiple FDOT districts, solidifying his reputation as a leader in construction inspection and project management.

Florida Department of Transportation (FDOT) District 4, CEI Contract for Various Locations along Boynton Beach Boulevard. Michael is currently serving as the Project Administrator on this FDOT D4 Boynton Beach Boulevard project, managing the document control, running progress meetings, RFIs, COs, and the management of CEI inspection staff which oversee the improvements under this contract, which consist of, but are not limited to, MOT (standard, special, traffic control officer), erosion control (sediment barrier, inlet protection), concrete (removal, gravity wall, curb, gutter, sidewalk, driveways), asphalt (milling, base, Superpave, friction course), lighting (luminaires), pavement markings (detectable, painted), signalization (signal cable, aluminum pole, signal auxiliaries, vehicular signal and detection, pedestrian signal and detection, loop detector, loop assembly), signing (single-post, raised, painted, thermoplastic, bike lane, sharrow), traffic monitoring (sensor, loop, cabinet), conduit, pull/splice box, and utility adjustments (manhole, valve meter box) along State Road 804 (Boynton Beach Boulevard) from NW 3rd Street to US-1/Federal Highway, for 0.659 miles in the City of Boynton Beach in Palm Beach County, Florida. *Location: Boynton Beach, FL. Dates: 5/2024–Ongoing. FM No. 444079-1-52-01. Contract No. T4651. FA No. D423036B (CAQ66). HBC Fee: $7.1M. Reference: Woodler Blaise, CSM, (772) 579-2553, woodler.blaise@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, CEI Services for Complete Streets Improvements along Boynton Beach Boulevard between NW 3rd Street and US-1/Federal Highway LAP. Construction Senior Project Administrator for this Local Agency Program (LAP) project, which includes CEI services for Complete Streets improvements along Boynton Beach Boulevard between NW 3rd Street and US-1/Federal Highway. Improvements include landscape enhancements, installation of retrofit lighting, signing and pavement markings, reconstruction, milling

Michael Schawe, IMSA I

and resurfacing, and sidewalk and drainage modifications. Critical aspects include utility conflicts, maintenance of communications, material acquisition, equipment configuration, coordination with adjacent projects, Temporary Traffic Control Plans (TTCPs), and accurate ITSFM records. *Location: Palm Beach County, FL. Dates: 2023–2025. FM No. 444079-1-62-01. HBC Fee: $10M. Reference: Stacey Sasala, (954) 777-4108, stacey.sasala@dot.state.fl.us.*

Broward County, West Hillsboro Boulevard Bike Lanes and Lighting Improvements Project. Michael is serving as Construction Senior Project Administrator for this project, which includes professional services and technical support services related to the construction of West Hillsboro Boulevard bike lanes and lighting improvements from east of Parkside Drive to SR-7/US-441. The CEI services will include, but are not limited to, monitoring the construction of a roundabout at the NW 64th Terrace and West Hillsboro Boulevard intersection, sidewalk repair/reconstruction, ADA improvements, milling and resurfacing of existing roadway, signing and pavement markings, and landscaping. *Location: Broward County, FL. Dates: 2023–Ongoing. HBC Fee: $12M. Reference:Mohammad Pervez, PE, 954-357-7993, MPervez@broward.org. Contract No. TRN2126825P1.*

OSHA – 10-Hour Safety

CXS Railroad Safety Trained

Dispute Review Board (DRB)

Drilled Shaft Installation

Pile Driving Installation

SiteManager

Project Solve Share Point (PSSP)

MAC

PrC

FDOT Advanced MOT

Languages
English and Spanish

***Prior to HBC**

***Florida Department of Transportation (FDOT) District 4, Glades Road Grouping: Glades Road over I-95 Bridge Widening, US-1 Milling & Resurfacing, and Boynton Beach Boulevard Milling & Resurfacing.** Michael was the Project Administrator/Assistant Project Administrator/Senior Inspector for milling and resurfacing, which included signalization and landscaping. His responsibilities included documenting the project quantities, entering data from test reports, entering data from daily reports into SiteManager, maintaining Maintenance of Traffic (MOT) log, and preparing engineer's weekly summary package, monthly estimates, and monthly progress reports, as well as inspecting daily construction activities, performing materials testing, inspecting MOT, and completing daily reports. *Location: Palm Beach County, FL. Dates: 2/2011–8/2011. Reference: Debra Ihsan, (954) 410-1694; Scott Burrie, (561) 719-7793.*

***Florida Department of Transportation (FDOT) District 4, SR-700/US-98 Milling & Resurfacing from Old Conners Road to US-441.** Project Administrator/Assistant Project Administrator/Senior Inspector for this milling and resurfacing project, which included signalization and landscaping. His responsibilities included documenting project quantities, entering data from test reports, entering data from daily reports into SiteManager, maintaining MOT log, and preparing engineer's weekly summary package, monthly estimates, and monthly progress reports, as well as inspecting daily construction activities, performing materials testing, inspecting MOT, and completing daily reports. This was the first project in FDOT District 4 to use Hot-In-Place recycled asphalt and it received two National Paving Awards. *Location: Palm Beach County, FL. Dates: 2009–2011. Reference: Jacques Beaubrun, (561) 432-4966.*

***Florida Department of Transportation (FDOT) District 4, Griffin Road Milling & Resurfacing from SR-5/US-1 to SR-7/US-441.** Project Administrator/Contract Support Specialist/Senior Inspector for this Griffin Road milling and resurfacing project, which included signalization and landscaping. His responsibilities included documenting project quantities, entering data from test reports, entering data from daily reports into SiteManager, maintaining MOT log, and preparing engineer's weekly summary package, monthly estimates, and monthly progress reports, as well as inspecting daily construction activities, performing materials testing, inspecting MOT, and completing daily reports. This project is notable because it had only one straightedge deficiency in 30 lane miles. *Location: Broward County, FL. Dates: 2007–2009. Reference: Antonio Piedra, (954) 776-4300.*

Sonny Abia, PhD, PE

Utility Coordination

35 Years of Experience

Dr. Abia is a seasoned civil engineer specializing in utility coordination across complex infrastructure projects in Florida. His role has involved coordinating with Utility Agent Owners (UAOs) and agencies, managing utility tickets, conducting conflict resolution meetings, organizing field reviews, and ensuring compliance through the preparation of Final Utility Certification packages. His extensive work with the Florida Department of Transportation (FDOT) and various municipalities highlights his adeptness in navigating utility regulations and securing necessary certifications. Dr. Abia's expertise in utility coordination is complemented by his background in quality assurance/quality control (QA/QC), project management, and coordination of large-scale construction initiatives.

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Roadway Improvements from SW 24th Street/Nova Dr to EB SR-84. Utility Coordinator and Quality Assurance/Quality Control (QA/QC) reviewer for the design of roadway improvements along SR-817/ University Drive, from SW 24th Street/Nova Drive to Eastbound SR-84. The project includes pavement widening to accommodate an auxiliary lane from NW 23rd Street to the westbound I-595 ramp, and relocation of drainage structures, overhead signs, a mast arm, and utility poles. It also includes reconfiguring the bus stop bay at the northeast corner of SW 24th Street/Nova Drive and University Drive, and right-turn lanes for the Royal Grand community, PNC Bank, and SW 24th Street/Nova Drive. Dr. Abia is responsible for Utility Coordination and QA/QC reviews to ensure design compliance. The project improves traffic flow and safety. *Location: Broward County, FL. Dates:2022-Ongoing. Contract Amount: $1.7M.*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements Project Task 1. This project involved intersection lighting retrofits and sidewalk and safety improvements on SR-7/US-441 from the Broward/Miami-Dade County Line to north of Sample Road and included the following intersections along SR-7/US-441: Pembroke Road, Davie Boulevard, NW 24th Street, NW 34th Street, NW 37th Street, NW 41st Street, NW 44th Street, Headway Office Park Road, and SR-858/ Hallandale Beach Boulevard from Edmund Road to SW 58th Avenue. This project also included bike lane improvements from Southgate Boulevard to Cypress Creek Canal Bridge and SR-858/Hallandale Beach Boulevard from Edmund Road to SW 58th Avenue. Dr. Abia carried out Quality Assurance/ Quality Control (QA/QC) reviews of all the computations in 3 phases and was responsible for utility coordination and plans review for this project. *Location: Broward County, FL. Dates: 2018–2021. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, SR-7/ US-441 Transit Corridor Improvements Project Task 2. This project involved the construction of a shared-use path along the North Fork New

Years with HBC
6 years

Education
PhD in Civil Engineering, University of Miami (06/25/2010)

M.S. in Civil Engineering, Florida International University (08/13/1992)

B.S. in Civil Engineering, Florida International University (08/20/1990)

Registration(s)
PE (FL) No. 48190 (07/15/1994)

Licenses & Certifications
TTC Advanced Certification

Certification General Course in Construction City and Guilds of London Institutes

Expertise
Utility coordination, structural engineering, QA/QC, roadway design, permitting, inspections, bridge design, drainage systems, project management, construction oversight.

***Prior to HBC**

River connecting from SR-7/US-441 to NW 31st Avenue; construction of a shared-use path along SR-7/US-441 connecting Oakes Road to the New River Greenway with 2 pedestrian underpasses at SR-7/US-441 NB to the I-595 on-ramp and I-595 WB to the SR-7/US-441 NB off-ramp; and sidewalk construction on the east side of SR-7/US-441 connecting Orange Drive to Oakes Road. Dr. Abia was responsible for performing Quality Assurance/Quality Control (QA/QC) reviews and utility coordination for this project. *Location: Broward County, FL. Dates: 2017–2023. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

***Florida Department of Transportation (FDOT) District 4, SR-9/I-95 Street Lucie West Boulevard Interchange Improvement Permit Project.** Project Manager for the Complex/Major Design of Highway Widening on St. Lucie West Blvd., expanding it to a six-lane urban typical section from Commerce Center Parkway to NW Peacock Blvd. This project included widening the existing bridge, constructing a parallel bridge over I-95, and making incidental improvements to the ramp termini. Prepared for the City of Port St. Lucie and funded by Kolter Corporation, Dr. Abia ensured the design met FDOT, FHWA, and AASHTO standards. His responsibilities included managing and coordinating the pavement design, new bridge and bridge widening design calculations and drawings, typical sections, drainage, environmental permits, and utility coordination. Dr. Abia also reviewed and responded to comments using the Electronic Review Comment system (ERC). *Location: St. Lucie County, FL. Dates: 2004 - 2006. Reference: Joseph Borello, (954) 777-4400.*

***Florida Department of Transportation (FDOT) District 4, SR-816/Oakland Park Blvd from Bayview Dr to SR-A1A.** Milling and resurfacing of 6 lanes of urban roadway, signing and marking plans, landscaping and irrigation system. Drainage, sidewalk, decorative lighting, signalization and parking. Project Manager responsible for managing the project from consultant selection to production of complete set of plans for construction. These duties involved consultant selection through advertisement, setting of scope of services, negotiation, contract procurement, management of the design contract, invoices review and payments to the consultant, progress reports, consultant evaluations, design and coordination of permits, maintenance agreement, public information workshop and liaison between the FDOT and the local agencies. Review and approval of each phase completed plans and all supporting documents for production complete package. *Location: Broward County, FL. Reference: Joseph Borello, (954) 777-4426.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. Utility Coordinator and Quality Assurance/Quality Control (QA/QC) Reviewer for the widening and reconstruction of NW 84th Avenue. The project aims to expand the existing roadway by adding northbound and southbound through lanes, a center two-way left-turn lane, harmonized driveways and intersecting side streets, and sidewalks on both sides, culminating in a curved five-lane undivided urban roadway configuration. Additional project components include a new closed drainage system interlinked with the existing system, a stormwater management facility to offset increased impervious surfaces, and culvert extensions at NW 58th Street to accommodate the widened roadway. A retaining wall was also constructed at the NW quadrant of NW 58th Street for culvert support. Key upgrades include the replacement of two mast arms and the enhancement of signalized intersections at each end of the project to align with the new roadway layout. A comprehensive landscape inventory and disposition plan were prepared, and a new street lighting system was installed along the corridor from NW 58th Street to 400 feet north of NW 61st Street on the east side, extending to NW 74th Street on the west side to avoid conflicts with existing and relocated overhead utilities. The project also involves the removal and disposal of contaminated or solid waste materials at a Class 1 landfill facility. *Location: Doral, FL. Dates: 2022 - Ongoing. Contract Amount: $1M*

Leandro Vazquez

Utility Coordinator

1 Years of Experience

Years with HBC
5 years

Education
B.A. in English, Florida International University (06/1987)

Expertise
Proposla writing, QA/QC, compliance reviews, utility coordination

After receiving my bachelor's degree in English from Florida International University, I was about to start Law School at the University of Miami when I decided to go into business for myself by opening a brick-and-mortar retail men's and women's name-brand clothing and accessories store in Mall of the Americas. To expand the business, I later opened another brick-and-mortar store in Southland Mall and added and eBay store to tap into the increasing E-commerce market. After 30 successful years of co-owning and managing the business, I decided to change careers. I am currently writing, editing, and proofreading technical proposals for HBC Engineering Company.

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr from N of WB SR-84-NW 1st St. Utility Coordinator overseeing utility relocations and conflict resolution for roadway widening and infrastructure improvements along SR-817/University Drive from Nova Drive to SR-84. Coordinated with utility owners, design teams, and contractors to facilitate the relocation of drainage structures, overhead signs, a mast arm, and utility poles while minimizing service disruptions. Managed utility adjustments to accommodate the addition of an auxiliary lane from NW 23rd Street to the WB 595 ramp and the reconfiguration of the bus stop bay at Nova Drive and University Drive. Ensured compliance with regulatory requirements and right-of-way constraints while addressing utility conflicts related to the reconfiguration of right-turn lanes serving the Royal Grand community, PNC Bank, and Nova Drive. Assisted in construction phasing and permitting to align utility work with project schedules and FDOT standards. *Location: Plantation, FL. Dates: 01/2025 - Ongoing. Construction Cost: $7M. Reference: Adham Naiem, PE, (954) 777-4440. Contract No.: 445624-1-52-01.*

City of Belle Glade, Basin H1 Stormwater Improvements. Utility Coordinator for stormwater infrastructure improvements in Basin H1, a 48-acre area bounded by Dr. Martin Luther King Jr. Boulevard West, SW 4th Street, SFCD Canal 1, and South Main Street. Facilitated the relocation and protection of existing utilities to support the installation of approximately 7,300 LF of new drainage pipes, 65 new drainage structures, a downstream defender, and a new outfall to Canal 1. Coordinated with utility providers to mitigate conflicts and ensure the seamless integration of a hydrodynamic stormwater treatment device to enhance water quality. Assisted in systemwide stormwater improvement planning to reduce flood risks, address ponding issues near City Hall, and enhance infrastructure reliability while minimizing disruptions through intentional lane closures. Ensured compliance with regulatory standards and future-proofed the system by incorporating a stub-out for potential future flood mitigation projects. *Location: Belle Glade, FL. Dates: 02/2025-Ongoing. HBC Fee: $343K. Reference: Albert Caruso, (954) 632-9842.*

City of Fort Lauderdale, Riverwalk North Seawall Replacement Project. Utility Coordinator overseeing utility relocations and conflict resolution for the replacement of the Riverwalk North seawall, spanning 500 feet west from the Andrews Avenue bridge toward the FXE train track. Coordinated with utility providers to facilitate the relocation of utilities attached to the existing concrete catwalk and the replacement of utility stations and electrical shore-tie pedestals. Supported design and construction efforts by ensuring utility adjustments aligned with the installation of new sheet piling, fixed docks, and floating docks with amenities. Assisted in data

collection, existing conditions review, and the identification of deteriorated structural elements requiring repair. Provided post-design support, including attending pre-construction meetings and reviewing shop drawings, product data, and submittals to ensure compliance with project specifications and regulatory requirements. *Location: Fort Lauderdale, FL. Dates: 02/2025 - Ongoing. HBC Fee: $386K. Reference: Ana Ziegler, EE/PM II, (954) 828-5817.*

City of Riviera Beach, Riviera Beach Water Treatment Plant (WTP) Design-Build Phase 1. Utility Coordinator facilitating utility relocations and infrastructure adjustments for the City of Riviera Beach's Advanced Water Treatment Plant at the Avenue L parcel as part of a progressive design-build effort. Coordinated with utility providers to support the development of a 12.0 MGD advanced water treatment facility, expandable to 16.0 MGD, along with associated infrastructure upgrades. Managed utility coordination for groundwater supply wells, 18,000 linear feet of raw water transmission mains, and raw water yard piping while ensuring compliance with permitting and regulatory requirements. Assisted in site and utility development, including stormwater management systems, paving, and grading, as well as planning for supporting infrastructure such as administrative buildings and maintenance shops. Provided technical support for environmental site assessments, permitting approvals, and the mitigation of potential utility conflicts, ensuring seamless integration of existing and new infrastructure. *Location: Riviera Beach, FL. Dates: 2022 - Ongoing. HBC Fee: $ 2.1 M. Reference: Steven V. Lynk, P.E., BCEE, DBIA, (512) 346-1100, lynksv@cdmsmith.com.*

Julia Beliz, EI

GIS Analyst

3 Years of Experience

Years with HBC
3 years

Education
B.S. in Environmental Engineering, University of Miami (12/16/2022)

Registration(s)
EI (FL) No. 1100026797 (06/21/2023)

Licenses & Certifications
AutoCAD

ArcGIS Pro

Expertise
GIS analysis, environmental engineering, water and wastewater infrastructure, permitting, drainage systems, transportation infrastructure, sediment control, utility coordination, site assessment, stormwater management, infrastructure planning.

Julia has extensive experience in GIS, Python programming, and permitting, for infrastructure projects, with a focus on treatment plants and pump stations. At HBC, she leads sediment loss modeling for the Carraízo Sediment Control Project and has contributed to the design and permitting of the Camuy-Hatillo WWTP, mapping force mains and protecting habitats. She has also supported the City of Riviera Beach Water Treatment Plant through site assessments and technical memorandums. Additionally, Julia's work with Miami-Dade County (MDC) Water and Sewer Department (WASD) and Puerto Rico Aqueduct and Sewer Authority (PRASA) involved GIS-based capacity assessments and planning for future growth in water systems. Her expertise extends to drainage, transportation, and wastewater collection systems, as well as utility coordination. Currently, Julia is developing a GIS model for soil loss in the Lake Loiza watershed of Puerto Rico, further solidifying her key role in infrastructure development.

Miami-Dade County Water and Sewer Department (MDC-WASD), Master Plan for South Corridor. Julia provided valuable assistance in performing a capacity assessment of the Miami-Dade County Water and Sewer Department's (MDC-WASD's) existing South Corridor water distribution and sewer collection system to accommodate future growth in the Corridor. She also reviewed planned developments in the Bus Rapid Transit (BRT) Zones, assessing the existing system, while accommodating the addition of future developments in the BRT service areas. Julia created GIS exhibits displaying BRT Station service areas and the zoning of each parcel. Additionally, she created a table illustrating current and future demand and flow estimates and projections. These contributions demonstrate Julia's proficiency in GIS analysis and her ability to work collaboratively on complex projects. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Reference: Lawrence Young, ENV SP, (305) 444-4691, lawrence.young@aecom.com.*

City of Riviera Beach, City of Riviera Beach Water Treatment Plant. Julia conducted a thorough site visit to collect information on existing conditions, providing valuable insights for the proposed alternatives of the planned Water Treatment Plant. She also authored a comprehensive Technical Memorandum detailing the proposed alternatives. Julia's expertise in site assessment and technical writing showcases her ability to contribute to the planning and implementation of large-scale projects. This project involves design development using Civil 3D and e-Builder and data transfer to AutoCAD using ArcGIS. *Location: Riviera Beach, FL. Dates: 2023–Ongoing. Reference: Humberto Gomez, PE, (305) 640-7390, humberto.gomez@dot.state.fl.us.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), El Yunque (Las Picúas) Wastewater Treatment Plant (WWTP) Elimination. GIS & PER Engineer for the design of two new sanitary pump stations and force mains. The project also involved the decommissioning of the existing WWTP and the integration of new infrastructure, including stormwater management and utility assessments. HBC performed detailed demolition plans, site grading, and capacity analysis of existing systems to ensure smooth transition and compliance. *Location: Rio*

Grande, Puerto Rico, FL. Dates: Ongoing. Reference: Adamaris J. Quiñones, PE, Program Manager.

Puerto Rico Aqueduct and Sewer Authority (PRASA), Carraízo Sediment Control. As an Engineer Technician, Julia is currently leading the development of a GIS model for sedimentation loss modeling. Her efforts are concentrated on using the Revised Uniform Soil Loss Equation (RUSLE) in GIS to demonstrate how parameters, such as rainfall, ground cover, and soil type affect erosion in the Lago Carríazo watershed. Julia collaborated with Hazen and Sawyer, P.C. and CSA Group to develop a Preliminary Engineering Report (PER) and exhibits for the 50% workshop meeting that took place in Puerto Rico. The scope of work for the sediment control at Lago Carraízo in Puerto Rico is a crucial component of an environmental restoration project aimed at mitigating the impact of sedimentation on the lake's water quality. The project involves implementing measures to minimize sediment runoff from the surrounding landscape and improving the quality of the water flowing into the lake. *Location: Carraízo, Puerto Rico. Dates: 2022–Ongoing. Reference: Hans Figueroa, PE, (787) 641-6800, figueroahx@csagroup.com.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Change Order for Camuy-Hatillo WWTP. As an Engineering Technician, Julia provided assistance in developing presentation graphics for a project that involved discontinuing the existing Camuy-Hatillo Wastewater Treatment Plant (WWTP) and transferring incoming flows to an existing WWTP further east. Two alternatives were proposed to connect to existing force mains, and Julia utilized Google Earth Pro to delineate the proposed changes to the existing force mains and gravity sewers. She also created maps, using GIS data, to highlight areas of importance, such as wetlands and protected habitats near the alternative routes. Julia's proficiency in GIS analysis and graphic design enabled her to effectively communicate important project details to stakeholders. *Location: Camuy, Puerto Rico. Dates: 2022-Ongoing. Reference: Humberto Gomez, PE, (305) 640-7390, humberto.gomez@dot.state.fl.us.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Improvement to Sanitary Trunk Sewer Van Scoy. Yard Piping Engineer for the survey, topography, and Subsurface Utility Engineering (SUE) services for the Improvement to Sanitary Trunk Sewer Van Scoy project. The scope included conflict detection, soft digs, and flow measurement studies to address capacity limitations in the Bayamon Municipality. HBC prepared design reports, drawings, cost estimates, and managed permits to ensure compliance with local regulations. *Location: Puerto Rico, FL. Dates: 04/2024 - Ongoing. Reference: Ramon Ortiz, 787.781.9050, Ramon.Ortiz-Morgado@jacobs.com.*

Akash Bommu, MS

Engineering Technician | Cost Estimates

1 Year of Experience

Years with HBC
1 year

Education
M.S. in Construction Management, Florida International University (2025)

B.S. in Civil Engineering, RMK Engineering College (2023)

Licenses & Certifications
LEED Green Associate
OSHA 30 Hour

Expertise
Construction Scheduling,
Cost Estimation,
BIM Coordination,
Materials Testing,
Project Documentation

***Prior to HBC**

Akash serves as an Engineer supporting project teams with construction documentation, cost estimation, scheduling, and BIM coordination. He is proficient in preparing RFIs, organizing submittals, and developing detailed construction schedules using Primavera P6. Akash brings hands-on experience from both academic research and field-based construction activities, consistently emphasizing safety, accuracy, and quality assurance. A certified LEED Green Associate and OSHA 30-hour credentialed, he offers strong knowledge of sustainable construction practices and site protocols. Akash is passionate about delivering well-managed, efficient projects that align with client objectives and industry standards.

***Florida International University (FIU), Construction Management Department.** Served as a Graduate Assistant for courses in construction drawings, cost estimating, and Principles of Construction Management, supporting instruction through technical presentations and grading. Provided timely, standards-based evaluation of student assignments while integrating contemporary documentation and review practices. Delivered individualized academic support by clarifying complex construction concepts and responding to technical inquiries to enhance student understanding. *Location: Miami, FL. Dates: 1/2025 - 6/2025.*

***Florida International University (FIU), Elementary School Construction Estimation.** Conducted detailed cost estimation for an elementary school project using RS Means, with comprehensive quantity takeoffs for structural, architectural, and MEP components. Utilized Onscreen Takeoff software to generate precise measurements for concrete, steel, masonry, and finishes across multiple building zones. Developed accurate cost forecasts by analyzing unit prices, labor demands, and material quantities, supporting reliable budget planning and resource allocation. *Location: Miami, FL. Dates: 1/2024 - 4/2024.*

Florida International University (FIU), Accelerated Bridge Construction. Collaborated with PhD researchers on experimental studies involving the shotcrete application of Ultra-High-Performance Concrete (UHPC), demonstrating expertise in advanced materials testing and analysis. Performed mechanical characterizations—including compressive strength, direct tensile, split tensile, and dynamic modulus of elasticity testing—using industry-standard equipment and protocols. Documented and interpreted test data for research reporting. Supervised field operations and led a team of undergraduate assistants, ensuring strict compliance with safety procedures during all experimental phases. *Location: Miami, FL. Dates: 4/2024 - 12/2024.*

***Harsha Construction, Internship.** Performed field surveying using a theodolite, collecting accurate measurements and executing calculations to ensure data precision and consistency. Assisted in the development of as-built drawings and maintained detailed project documentation. Supported daily site inspections and contributed to monitoring safety compliance, reinforcing adherence to project standards and construction protocols. *Location: Gudur, AP, India. Dates: 7/2022 - 8/2022.*

Akash Bommu, MS

***Florida International University (FIU), Fire Station Construction Planning Project.** Developed a detailed Primavera P6 construction schedule for a fire station project, managing 198 activities across pre-construction, construction, and post-construction phases within a 9-month duration. Implemented project controls aligned with CSI divisions to monitor submittals, approvals, and procurement timelines. Established tracking systems specific to the Apparatus Bay, Dormitory, and Administrative areas to ensure coordinated progress and on-time delivery. *Location: Miami, FL. Dates:*
8/2023 - 12/2023.

***Evaluation of Concrete Specimens Subjected to Carbonation Curing.** Formulated mix design for cementitious materials for concrete specimens. Evaluated the carbonation process for its contribution to improving concrete's compressive strength and durability, making it a valuable technique for certain construction. *Location:*
Chennai, TN, India, FL. Dates: 1/2023 - 4/2023.

***Bridge Model Project.** Designed and constructed scale models of highway underpass systems to demonstrate structural behavior and construction methods. Completed two distinct models: one featuring hammerhead piers and the other utilizing a box section underpass configuration, showcasing comparative design approaches and structural detailing. *Location: Chennai, TN, India, FL. Dates: 1/2021 - 3/2021.*

Melannie Gomez

Public Involvement

3 Years of Experience

Melannie specializes in public involvement, community engagement, and strategic communications for engineering and infrastructure projects. She has supported municipalities such as the City of Hollywood and Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), facilitating public outreach initiatives and stakeholder coordination. Her expertise includes media relations, event planning, and multilingual communication, ensuring seamless dissemination of project information. Proficient in QuickBooks, Microsoft Office Suite, and social media management tools. Passionate about fostering meaningful connections between communities and infrastructure development.

City of Fort Lauderdale,Riverwalk North Seawall Replacement Project. As the Public Information Officer, Melannie has played a key role in public outreach and communication efforts for infrastructure projects, including the Riverwalk North Seawall Replacement Project for the City of Fort Lauderdale. This project involves replacing the existing seawall, installing new docks, relocating utilities, and ensuring compliance with engineering and environmental standards. Melannie has facilitated stakeholder engagement, prepared public notices, and managed project-related communications to keep the community informed. *Location: City of Fort Lauderdale, FL. Dates: 2023-Ongoing. Reference: Ana Ziegler, EE/PM II, (954) 828-5817, aziegler@fortlauderdale.gov*

City of Hollywood, Johnson St Complete Streets Feasibility Study. This project involves performing a feasibility study to create complete streets alternatives for Johnson Street from North 30th Road to North Dixie Highway. Melannie is responsible for coordinating public involvement meetings for the City of Hollywood, regarding potential alternatives designed for the Johnson Street corridor. Melannie is also responsible for setting up login sheets, creating fact sheets, collecting data, and interacting with current local residents and business owners, concerning their input and opinions of the development of a safe Complete Streets corridor. Melannie is also responsible for participating in the development of different voting options for both online and present audiences, allowing residents and business owners to cast their votes and comment on the distinct alternatives being presented. She is also responsible for finalizing the report on the public involvement meeting, containing key points of the presentation for the City of Hollywood and its local residents and business owners to use. *Location: Hollywood, FL. Dates: 4/2023-Ongoing. Contract No.: HOLL-038. HBC Fee: $150K. Reference: Luis Lopes, PE, (954) 921-3410, llopez@hollywoodfl.org.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. This project involves the reconstruction of 1 mile of an existing 2-lane road to expand it into a 4-lane road with Two-Way Left-Turn Lane (TWLTL), where Right-of-Way is available. The design effort includes designing new closed drainage conveyance systems, connecting them to

Years with HBC
2 year

Education
B.A. in Public Relations & Administration, Florida International University (12/17/2022)

Licenses & Certifications
QuickBooks Desktop

Microsoft Excel, Word, & PowerPoint

Google Sheets

Outlook & Teams

Monday.com

Fluent in Spanish and English

Expertise
Public involvement, community engagement, media relations, strategic communications, outreach planning, stakeholder coordination, event planning, marketing, public relations, multilingual communication.

Languages
English and Spanish

***Prior to HBC**

existing outfall and stormwater retention facilities, replacing existing CMP culverts to RCP culvert crossings, and designing a new stormwater management facility to compensate for the additional impervious areas. Melannie is responsible for sorting, stuffing, and preparing letters informing project stakeholders, selected from a mass mailing list, about the proposed project construction and tree removal information, and creating the address labels for this mass mailing. *Location: Miami, FL. Dates: 8/2022-Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: $7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

***Private CPA Firm, Marketing Specialist.**

- Provided customer service to over 1,000 national and international clients.
- Built strong client relationships by conducting surveys that successfully gathered client feedback for the firm to act upon
- Organized and facilitated internal and external meetings that brought awareness of private and governmental changes affecting the firm's clients.
- Collaborated with different departments within the firm to brainstorm and develop different policies that benefited clients.

Worked with the Marketing Team to perform quarterly SWOT (Strengths, Weaknesses, Opportunities, and Threats) analyses to enhance client services.

Location: Miami, FL. Dates: 5/2021– 6/2023. Reference: Domingo Alonso CPA, CVA, CGMA (305) 448-3898, Dalonso@cricpa.org.

***King Jesus Ministry, Media Outreach Assistant.**

- Planned various community outreach events to engage the public.
- Coordinated meetings with different non-profit organizations that provided specific services to the community.
- Managed and organized incoming funds.
- Planned special presentations with the goal of bringing communities together.
- Brought awareness to the needs of the community by conducting surveys and enacting other outreach initiatives.
- Managed the social media accounts of the organization.
- Worked with the Marketing Team to produce the organization's website and online initiatives.
- Managed event budgets effectively to provide cost savings.
- Worked closely with event photographers, video editors, and the Production Team to capture the memories associated with each event.

Location: Miami, FL. Dates: 8/2018–3/2019. Reference: Mabel Lora, COO, (786) 975-7015, Mabellora@elreyjesus.org.

Frank Paruas. PSM

Surveying & Mapping

Professional Profile

Frank possesses a wealth of expertise in surveying and mapping, accumulating an impressive 24 years of experience within the South Florida region. He has assumed the critical role of Project Surveyor/Manager for numerous contracts, catering to esteemed public and private clients. Notably, his services have been sought by public works departments, diverse municipalities, and the Florida Department of Transportation (FDOT). Frank efficiently manages and supports a fully equipped geomatics and remote sensing group, which encompasses multiple field crews based in GPI Geospatial's Miami, Florida office. Furthermore, he showcases proficiency in the preparation of 3D survey files, skillfully combining terrestrial mobile and static scanning techniques with aerial lidar and imagery. Additionally, Frank is well-versed in subsurface utility engineering (SUE), further enhancing his repertoire of capabilities.

EDUCATION

BS / Mechanical Engineering / Oriente

University Cuba / 1997

CERTIFICATIONS:

Professional Surveyor & Mapper #LS6625/ FL

YEARS WITH FIRM

5

TOTAL YEARS EXPERIENCE

24

PROFESSIONAL AFFILIATIONS:

Florida Surveying and Mapping Society (FSMS) / Central Florida and South Florida, Member

National Society of Professional Surveyors (NSPS), Member

Project Experience

Continuing Services for Survey Mapping and SUE, FPID 429258-5. 2020-Present. Broward, Palm Beach, Martin, Indian River, and St. Lucie Counties, FL. Survey Project Manager. GPI Geospatial provides miscellaneous surveying and mapping services under this multi-task, multi-year contract with District 4 which requires the consultant to manage their team and subconsultants to perform all types of survey work, including right-of-way mapping, right-of-way control survey, parcel stakeout, control surveys, recovery of historical baseline of survey, right-of-way lines, subsurface utility engineering (SUE), aerial survey, drainage survey, and 3D surveys using traditional survey methods or any form of lidar (remote sensing) to collect topographic features. GPI Geospatial has successfully completed 80 task work orders under this contract. **Client: Florida Department of Transportation-District 4**

3D Design Survey for SR 9 (I-95) from South of Linton Road to 6th Ave South, Palm Beach County, FPID 444202-1. 2022-2024. Survey Project Manager. GPI Geospatial performed a complete 3D survey for this 12.5-mile highway corridor in Palm Beach County. The scope included, primary and secondary control survey, a complete 3D design survey from right-of-way to right-of-way with a completed investigation of more than 500 drainage structures performed by Bowman and Ritzel-Mason as part of the GPI Geospatial team. GPI Geospatial was also responsible of recovering the Historical Baseline of Survey and the determination of right-of-way lines for the entire corridor, including the CSX corridor. The 3D survey was collected using terrestrial mobile lidar (TML). GPI Geospatial responsibilities included managing the entire project, as well as coordinating fieldwork and overseeing the final submittals to the District. **Client: Florida Department of Transportation-District 4**

3D Design Survey for SR 710/(Beeline Highway) from ±1,600LF Southeast of SR 714 to FPL Plant Access Road. Martin County, FL. FPID 453333-2. May 2024-Present. Survey Project Manager. GPI Geospatial is part of this effort multi-team effort to perform a complete reconstruction of this 10 miles corridor. The effort includes multiple survey consultants, that are surveying up to approximate an area 350' wide that extends into private properties. CTS is performing ground control and obscured areas, while KEITH is working on the right-of-way component for this project. GPI Geospatial is collecting this project using aerial lidar. The use of aerial lidar allows our team to collect 3D features along the strip of land 10 miles long that could extend up to 400LF from

FDOT right-of-way without impacting residents and expending the 3D submittal. In addition, GPI Geospatial is performing secondary control, which for this project, required to set aerial targets in private property. GPI Geospatial will be tasked with merging all the obscured and wetland areas and to prepare and submit the final SURVRD file. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for SR 710 (Warfield Highway) at CR 714 Relocation Project, in Martin and Okeechobee County, FL. FPID 447555-1 & 2. May 2024-Present. Survey Project Manager. GPI Geospatial provided a complete design survey for this project in Martin and Okeechobee County farm areas. The Design Survey was performed with the purpose of redesigning CR 714 at its intersection with SR 710 and will require the acquisition of several parcels as FEE-Simple, Permanent, and Temporary Easements. The 3D Survey was completed using Aerial Lidar and Imagery and included the existing developed SR 710 and CR 714 paved areas and portions of private parcels, adjacent to the road. The use of Aerial Lidar allowed our team to collect 3D features in some areas up to 1,000 LF outside of FDOT RW without impacting residents. GPI Geospatial established Primary and Secondary Control and recovered the Historical Baseline of the Survey and right-of-way lines. A completed drainage investigation was also part of the scope. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for SMA Replacement at Ten (10) Intersections. Broward County, FL. FPID 451576-2. 2024-Present. Survey Project Manager. GPI Geospatial provided primary and secondary control for the 3D survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, we calibrated the point cloud to secondary control and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. Furthermore, we recovered the Historical Baseline of Survey and right-of-way lines. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for Survey for SMA Replacement at 16 Intersections. Palm Beach County, FL. FPID 451579-2. 2024-Present. Survey Project Manager. GPI Geospatial provided primary and secondary control for the 3D Survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, calibrated the point cloud to secondary control, and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. Furthermore, we recovered the Historical Baseline of Survey and right-of-way lines. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for Survey for SR93 (I-75/Alligator Alley) from Toll Plaza to Broward/Collier County Line, Broward County, FL. FPID 444122-1. 2021-2023. Survey Project Manager. GPI Geospatial provided ground control for this ±26-miles corridor for FDOT District 4. GPI Geospatial has set primary and secondary (aerial targets) control points along the entire corridor and performed static GPS observations at 70 BLC points. In addition, GPI Geospatial prepared a project network control sheet and updated the right-of-way file for the entire project. **Client: Florida Department of Transportation-District 4.**

Right-of-Way Map for CR812 (Lantana Road) from West of Lake Osborne Drive to East of Andrew Redding Road, Section 93530-2525. Palm Beach County, FL. 2022-June 2023. FPID 4132581 (R4132581). Survey Project Manager. The map included obtaining six FEE simple parcels and 12 temporary construction easements into seven groups (701-707). We also compiled six legal descriptions for the parcels and seven legal descriptions for the easements. This right-of-way map included the determination of existing limited access right-of-way lines along SR9 (I-95) by reviewing existing control survey and comparing to historical maps, as well as reviewing and plotting parcels, easements, and right-of-way lines as shown in the provided title search documentation for each of the parent tracts impacted by acquisitions of right-of-way of temporary easements. The title search documents were carefully reviewed; each of the encumbrances, easements, and/or right-of-way documents was commented as to whether the parcel was affected by it and if the document was plottable or not. Once all documents and maps were reviewed and plotted and the proposed lines were received from the engineer parcels, takings and easements were then created mathematically into Geopak coordinate geometry software. Closures were run for compliance and finally all parcels, takings and easements were plotted using the design and computation manager to ensure proper text size, style and levels were used and in compliance with FDOT District 4 standards, and all text size and fonts were consistent throughout the entire map. **Client: Florida Department of Transportation-District 4.**

Julio Delgado, PSM

Surveying & Mapping

Professional Profile

Julio brings a wealth of experience to the table, boasting an impressive 25-year career in surveying and mapping. His expertise spans various domains, including FDOT right-of-way control survey, right-of-way mapping, topographic surveys, and ALTA boundary surveys. With a diverse portfolio of both public and private clients including FDOT, he has successfully delivered numerous projects, showcasing his exceptional skills. Julio is a recognized authority in MicroStation, proficiently utilizing GeoPAK, Bentley Open Roads MicroStation SS4, and Civil 3D for 3D design surveys. His comprehensive knowledge encompasses boundary analysis, right-of-way control survey, right-of-way maps, and accurate parcel calculations for legal descriptions. Additionally, he possesses in-depth expertise in static laser scanning, point cloud registration, and data extraction using Leica Cyclone. His accomplishments extend to the 3D modeling of over 20 bridges for FDOT projects, further exemplifying his mastery in the field.

EDUCATION

BS/Software Engineering/
Keiser University/2016

CERTIFICATIONS:

Certificate/Geomatics/
University of Florida/2017

Professional Surveyor &
Mapper #LS7193/FL

FDOT TTC Certified,
Advanced, 2024

YEARS WITH FIRM

5

TOTAL YEARS EXPERIENCE

26

PROFESSIONAL AFFILIATIONS:

Florida Surveying and Mapping
Society (FSMS), Member

National Society of
Professional Surveyors
(NSPS), Member

Project Experience

Continuing Services for Survey Mapping and SUE, FPID 429258-5. 2020-Present. Broward, Palm Beach, Martin, Indian River, and St. Lucie Counties, FL. Lead and Project Surveyor. GPI Geospatial provides miscellaneous surveying and mapping services under this multi-task, multi-year contract with District 4 which requires the consultant to manage their team and subconsultants to perform all types of survey work, including right-of-way mapping, right-of-way control survey, parcel stakeout, control surveys, recovery of historical baseline of survey, right-of-way lines, subsurface utility engineering (SUE), aerial survey, drainage survey, and 3D surveys using traditional survey methods or any form of lidar (remote sensing) to collect topographic features. GPI Geospatial has successfully completed 80 task work orders under this contract. **Client: Florida Department of Transportation-District 4**

Right-of-Way Map for CR812 (Lantana Road) from West of Lake Osborne Drive to East of Andrew Redding Road, Section 93530-2525. Palm Beach County, FL. 2022-June 2023. FPID 4132581 (R4132581). Right-of-Way Mapping Lead. The map included obtaining six FEE simple parcels and 12 temporary construction easements into seven groups (701-707). We also compiled six legal descriptions for the parcels and seven legal descriptions for the easements. This right-of-way map included the determination of existing limited access right-of-way lines along SR9 (I-95) by reviewing existing control survey and comparing to historical maps, as well as reviewing and plotting parcels, easements, and right-of-way lines as shown in the provided title search documentation for each of the parent tracts impacted by acquisitions of right-of-way of temporary easements. The title search documents were carefully reviewed; each of the encumbrances, easements, and/or right-of-way documents was commented as to whether the parcel was affected by it and if the document was plottable or not. Once all documents and maps were reviewed and plotted and the proposed lines were received from the engineer parcels, takings and easements were then created mathematically into Geopak coordinate geometry software. Closures were run for compliance and finally all parcels, takings and easements were plotted using the design and computation manager to ensure proper text size, style and levels were used and in compliance with FDOT District 4 standards, and all text size and fonts were consistent throughout the entire map. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for SR 710 (Warfield Highway) at CR 714 Relocation Project, in Martin and Okeechobee County, FL. FPID 447555-1 & 2. May 2024-Present. Control Survey Map and Right-of-Way Mapping. GPI Geospatial provided a complete design survey for this project in Martin and Okeechobee County farm areas. The Design Survey was performed with the purpose of redesigning CR 714 at its intersection with SR 710 and will require the acquisition of several parcels as FEE-Simple, Permanent, and Temporary Easements. The 3D Survey was completed using Aerial Lidar and Imagery and included the existing developed SR 710 and CR 714 paved areas and portions of private parcels, adjacent to the road. The use of Aerial Lidar allowed our team to collect 3D features in some areas up to 1,000 LF outside of FDOT RW without impacting residents. GPI Geospatial established Primary and Secondary Control and recovered the Historical Baseline of the Survey and right-of-way lines. A completed drainage investigation was also part of the scope. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for Survey for SR93 (I-75/Alligator Alley) from Toll Plaza to Broward/Collier County Line, Broward County, FL. FPID 444122-1. 2021-2023. Project Surveyor. GPI Geospatial provided ground control for this ±26-miles corridor for FDOT District 4. GPI Geospatial has set primary and secondary (aerial targets) control points along the entire corridor and performed static GPS observations at 70 BLC points. In addition, GPI Geospatial prepared a project network control sheet and updated the right-of-way file for the entire project. **Client: Florida Department of Transportation-District 4.**

SW 148 Ave from SW 52nd Dr to SW 48th Court/Bass Creek Road. Broward County, FL. FPID 439993-1. 2020-2021. Project Surveyor. GPI Geospatial provided a full design survey for this project in the City of Miramar. Julio supervised all ground survey efforts and was responsible of the preparation of the network design plan, establishing of the primary horizontal vertical control, as well as the recovery of the Historical Baseline of Survey and right-of-way lines. Julio was also responsible on preparing the final SURVRD files to submit to FDOT. **Client: Florida Department of Transportation-District 4**

FDOT District 4 SR 5 (US 1) from Edwards Road to SR 70/ Virginia Avenue, St. Lucie County, FL. 441714-1. Project Surveyor. GPI Geospatial provided a complete 3D Survey for this drainage/roadway improvement project withing along SR 5 in the City of Fort Pierce, St. Lucie County. GPI Geospatial scope included providing Primary Horizontal and Vertical Control for the entire corridor. In addition, GPI Geospatial recovered the historical Baseline of Survey and Right-of-Way Lines and performed a 3D Design Survey extended 25' beyond the RW Lines. Mr. Paruas served as Project Manager and was responsible for leading our Terrestrial Mobile LiDAR collection and 3D mapping efforts, performing final QC, and coordinating with the client, and overseeing final file Submittal **Client: Florida Department of Transportation-District 4**

FDOT Distric 4 SR 70 (Virginia Avenue) from SR5/US 1 to Oleander Boulevard. St. Lucie County, FL. FPID 441715-1. Project Surveyor and RW Lead. GPI Geospatial provided a complete 3D survey for this drainage/roadway improvement project along SR 70 in the City of Fort Pierce in St. Lucie County. GPI Geospatial's scope included providing primary horizontal and vertical control for the entire corridor. In addition, GPI Geospatial recovered the Historical Baseline of Survey, right-of-way lines, and performed a 3D design survey that extended 25' beyond the right-of-way lines. Julio prepared sketch and legal for a proposed drainage easements. **Client: Florida Department of Transportation-District 4.**

3D-Design Survey SR 842 (Broward Boulevard), from SR 817 (University Drive) to West of Turnpike, Broward County, FL. FPID 444265-1. Project Surveyor. GPI Geospatial provided a full design survey for this 2.5-mile corridor in Broward County. Julio was responsible on the preparation of the network design plan and establishing the primary horizontal and vertical control. This project was collected using terrestrial mobile lidar. GPI Geospatial also recovered the historical baseline of survey and right-of-way lines along the corridor. **Client: Florida Department of Transportation-District 4**

PROPOSED PROJECT ROLE
Project Manager

EDUCATION
BS/Science in Tourism Management/Nueva Esparta University, Venezuela/2012

Certificate/Geomatics University of Florida/2023

CERTIFICATIONS:
Professional Surveyor & Mapper #LS7614/FL

YEARS WITH FIRM
5

TOTAL YEARS EXPERIENCE
24

PROFESSIONAL AFFILIATIONS:
Florida Surveying and Mapping Society (FSMS), Member

National Society of Professional Surveyors (NSPS), Member

Saul Brand, PSM
Surveying & Mapping

Professional Profile

Mr. Brand has 24 years of experience in surveying and mapping, with over nine years in Florida across both field and office roles. He has worked on various FDOT survey projects, including static laser scanning, traditional ground surveys, construction staking/layout, geodetic control, right-of-way, boundary, and topographic surveys. In office settings, he conducts boundary analysis, generates right-of-way maps, and performs parcel calculations. He is proficient in CADD, especially OpenRoads Designer (MicroStation) for 3D design surveys, and adept in processing static laser scans using Riegl RiSCAN PRO, Leica Cyclone, and TopoDOT. Notably, he has modeled over 150 bridges on SR826, I-95, and I-75, overseeing quality control and finalization for multiple state road 3D design surveys.

Project Experience

Continuing Services for Survey Mapping and Subsurface Utility Engineering. FPID 429258-5. 2020-Present. Broward, Palm Beach, Martin, Indian River, and St. Lucie Counties, FL. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provides miscellaneous surveying and mapping services under this multi-task, multi-year services contract with FDOT District 4, which requires the consultant to manage their team and a team of subconsultants to perform all types of survey work. Anything from right-of-way mapping, right-of-way control survey, parcel stakeout, control survey, recovery of historical baseline of survey, right-of-way lines, subsurface utility engineering (SUE), aerial survey, drainage survey, and 3D surveys while using traditional survey methods or any form of lidar (remote sensing) to collect topographic features. GPI Geospatial has completed 80 task work orders under this contract. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SR9 (I-95) from South of Linton Road to 6th Ave. South, Palm Beach County. FPID 444202-1. 2022-2024. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial performed a complete 3D survey for this 12.5-mile highway corridor in Palm Beach County. The scope included primary and secondary control surveys, a complete 3D design survey from right-of-way to right-of-way, and a completed investigation of more than 500 drainage structures performed by Bowman and Ritzel-Mason as part of the GPI Geospatial team. We were also responsible for recovering the historical baseline of survey and the determination of right-of-way lines for the entire corridor, including the CSX corridor. The 3D survey was collected using terrestrial mobile lidar (TML). GPI Geospatial responsibilities included managing the entire project, coordinating fieldwork, and overseeing the final submittals to the District. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SR710/Beeline Highway from ±1,600 Linear Feet Southeast of SR714 to Florida Power and Light Plant Access Road. Martin County, FL. FPID 453333-2. May 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial is part of this multi-team effort to completely reconstruct this 10-mile corridor. The effort includes multiple survey consultants surveying an area approximately 350' wide and extending into private properties. CTS is performing ground control and obscured areas, while KEITH is working on the right-of-way component for this project. GPI Geospatial is collecting this project using aerial lidar. Using aerial lidar allows our team to collect 3D features along the 10-mile strip of land that could extend up to 400 linear feet from FDOT right-of-way without impacting residents and expanding the 3D submittal. In addition, GPI Geospatial is performing secondary control, which is required to set aerial targets on private property for this project. GPI Geospatial will merge all the obscured and wetland areas and prepare and submit the final SURVRD file. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SR710 (Warfield Highway) at CR714 Relocation Project, in Martin and Okeechobee Counties, FL. FPID 447555-1 and 2. May 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided a complete design survey for this project in Martin and Okeechobee County farm areas. The design survey was performed with the purpose of redesigning CR 714 at its intersection with SR 710 and will require the acquisition of several parcels as FEE-simple, permanent, and temporary easements. The 3D survey was completed using aerial lidar and imagery, included the existing developed SR 710 and CR 714 paved areas, and portions of private parcels adjacent to the road. Using aerial lidar allowed our team to collect 3D features in some areas up to 1,000 linear feet outside of FDOT right-of-way without impacting residents. GPI Geospatial established primary control, secondary control, and recovered the historical baseline of survey and the right-of-way lines. A completed drainage investigation was also part of the scope. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SMA Replacement at 10 Intersections. Broward County, FL. FPID 451576-2. 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided primary and secondary control for the 3D survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, calibrated the point cloud to secondary control, and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. We also recovered the historical baseline of survey and right-of-way lines. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SMA Replacement at 16 Intersections. Palm Beach County, FL. FPID 451579-2. 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided primary and secondary control for the 3D survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, calibrated the point cloud to secondary control, and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. Lastly, we recovered the historical baseline of survey and right-of-way lines. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SR93 (I-75/Alligator Alley) from Toll Plaza to Broward/Collier County Line. Broward County, FL. FPID 444122-1. 2021-2023. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided ground control for this ±26-mile corridor for FDOT District 4. GPI Geospatial has set primary and secondary (aerial targets) control points along the entire corridor and performed static GPS observations at 70 baseline control points. In addition, GPI Geospatial prepared a project network control sheet and updated the right-of-way file for the entire project. **Client: Florida Department of Transportation - District 4**

3D Design Survey for CR512 from West of SR9 (I-95) Ramps to West of 106th Avenue. Indian River County, FL. FPID 449332-1. 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided a complete 3D design survey for this intersection that extended from right-of-way to right-of-way and performed 3D survey using terrestrial mobile lidar. GPI Geospatial established primary and secondary control along the corridor, recovered the historical baseline of survey, and the right-of-way lines. A drainage survey was also part of this project. The SUE portion of the scope included the designation of underground utilities within the project's limits and performing vacuum excavation test holes (VVHs) to verify the horizontal and vertical location of utilities in conflict with the proposed improvements. **Client: Florida Department of Transportation - District 4**

Nadia G. Locke, PE, LEED AP

Environmental and Permitting

Ms. Locke has been providing professional environmental and engineering consulting services for over 30 years. During her career, she has worked in many facets of environmental consulting including Project Development and Environment (PD&E) Studies, environmental audits, site assessment and remediation, stormwater design, sanitary sewer planning, environmental permitting, climate change impact evaluation, grant assistance, wetland mitigation design, endangered species relocations, Brownfields, community involvement, and training. Ms. Locke has provided litigation support for the Florida Department of Transportation (FDOT), Miami-Dade Aviation Department, Barry University, and private entities.

Ms. Locke is currently serving on the Boards for the Fort Lauderdale Riverwalk, Smart Growth Partnership (SGP) and Florida Brownfields Association (FBA), and the FBA Environmental Justice Foundation. Ms. Locke is former Chair/President of the SGP, FBA, and South Florida Association of Environmental Professionals. She served as a commission-appointee to the Broward County Brownfields Redevelopment Task Force and on the Community Advisory Board for the Broward County Metropolitan Planning Organization (MPO). She also served as FBA Secretary, Co-Chair of the 17th Annual Conference, and Co-Chair of the Technical Subcommittee of the Legislative and Policy Committee.

Ms. Locke has been working on transportation projects in South Florida for over 20 years. As an engineer who works closely with scientists, she brings an understanding of the environmental, ecological, and permitting issues associated with roadway design, construction, and commitments. She works with the engineers to evaluate ways to avoid and minimize impacts to environmental resources. Ms. Locke has managed the environmental aspects of many transportation projects including design-bid-build and design-build projects. She has prepared environmental documents on numerous Local Agency Program projects where FDOT funding has been provided to local governments. Ms. Locke is familiar with the FDOT's StateWide Environmental Project Tracker (SWEPT) process and provides quality assurance reviews for RES' ongoing District Four Districtwide Mitigation, Wildlife, and Environmental Services Contract.

AT A GLANCE.

Years of Experience

36 years

Education

- BS, Materials Science and Engineering, University of Florida, 1988

Certificates | Licenses

- Registered Professional Engineer, Florida #58676 | Received: 2002
- LEED AP Neighborhood Development
- Certified FDEP Stormwater, Erosion, and Sedimentation Control Inspector #3263 and Instructor #130
- OSHA 40 Hour HAZWOPER / 8 Hour Site Supervisor
- PADI Advanced | NAUI Open Water Diver

SELECT WORK EXPERIENCE

Miami River Greenway Curtis Park, City of Miami, Miami-Dade County, Florida

Ms. Locke is the project manager for the NEPA documentation for this LAP Project located along the Miami River from NW North River Drive from NW 24th Avenue to NW 22nd Avenue. As part of the review, RES prepared the environmental notes to be included in the constructability. The environmental review included evaluation of sociocultural effects, as well as impacts to natural resources, contamination and permitting requirements.

Avant Garde Sidewalk LAP Project, City of Hollywood, Broward County, Florida

Ms. Locke was the project manager for this sidewalk improvement project related to the Safe Routes to School program for the Avant Garde Academy in Hollywood, Florida. The project included the design and NEPA evaluation for completing the missing sections of concrete sidewalks along both sides of roads for a total of 13,225 linear feet in 26 different blocks within 0.71 miles of the school. RES' role on this project was to evaluate sociocultural, contamination, natural resources and other environmental resource project effects. The environmental document was a CatEx 2, with back up memos for each environmental resource.

Jose Marti Park Adaptive Re-design, City of Miami, Miami Dade County, Florida

RES is responsible for leading the innovative urban stormwater retrofits and assisting in the adaptative design for the living shoreline / living seawall waterfront edge. The project site is an existing historically relevant 13-acre park along the Miami River (a 1,000 year Tequesta corpse was unearthed during the park's original construction) which experiences King Tide flooding and will be redeveloped as the premiere Miami adaptation park project to showcase innovative waterfront resiliency

adaptations to climate change and sea level rise, and offer many opportunities for waterfront connection for citizens, ecological enhancement, and for innovative stormwater management such as green infrastructure practices which will filter the hyper-urban 100-acre watershed as it drains through the park to Miami River, an impaired waterway. RES has been engaged to provide services related to the natural systems urban restoration and innovative stormwater design for the park's Adaptive Master Plan through year 2060. Services completed include ecological surveys (tree inventory and Florida Bonneted bat survey), stormwater design and modeling, environmental permitting, community engagement and presentations to leaders and city commissioners, agency coordination (SFWMD, FDOT, RER/DERM, FDEP, USFWS, US Coast Guard, USACE, FHWA, etc.), cost estimates, engineering planning and construction design plans, architect and coastal engineering coordination, grant support, project implementation. Due to the premiere and grant funded nature of the project, the schedule has generally been non-stop to meet intense grant deadlines, even during the Covid epidemic which has lasted the duration of the project, and our team has not let up or missed any deadlines – in fact our client pressed us for a more aggressive schedule which our team has met. The project has set new milestones for resiliency adaptation for the city and region, impacting new local codes set during the project for seawalls and the Riverwalk design criteria, and will be used as a model and toolbox for local, and possibly global, adaptation strategies. The project will guide the adaptation of the Miami Riverwalk, which approximately 1,100 linear feet are being adapted by the park project to showcase innovative adaptation strategies including raised permeable pavements with underground stormwater retention and filtration, tidal backflow prevention valves with manatee guards, mangrove and oyster restoration, manatee viewing, 360-degree outdoor living classroom on the river, water quality upgrades such as second generation nutrient separating baffle boxes with clear observation lids so the public will be able to view the pollutant removal, and green infrastructure ecological enhancements tied to hybrid grey infrastructure for flood protection – showcasing many of the goals of the city and the Downtown Development Authority, including carbon reduction. RES supported the city in securing over $14 million of grant funding for coastal protection and water quality improvement, and the project will be the first in Florida to submit for Waterfront Edge Design Guidelines project accreditation, which is similar to LEED certification (which is a green credit rating system for buildings) but for waterfront sites. Ms. Locke provided technical assistance on this project.

General Environmental Engineering Services, City of Fort Lauderdale, Broward County, Florida

Ms. Locke is the contract manager for this continuing services contract for general environmental engineering consulting services for the City of Fort Lauderdale. Services conducted include emergency response during construction of a fire station; Phase I and Phase II ESAs / opinion of post landfill closure costs; endangered species surveys; burrowing owl permitting and relocation; benthic (seagrass) surveys; and indoor air quality / asbestos surveys. Some services have been provided to assist in ensuring environmental compliance for LAP projects.

Environmental Review for LAP Project for Martin Luther King, Jr. Avenue, Pompano Beach, Broward County, Florida

Ms. Locke is the project manager for conducting an environmental screening memo for this FDOT-funded roadway improvement project for the City of Pompano Beach. This project is part of a roadway improvement for a corridor that extends beyond the City's boundaries and is known as the Education Corridor. As part of the review, RES prepared the environmental notes to be included in the constructability plans.

NEPA Documentation, City of Fort Lauderdale, Broward County, Florida

Ms. Locke has been the project manager for dozens of NEPA projects to support the City of Fort Lauderdale's compliance as they seek Community Development Block Grants from HUD to improve quality of life through neighborhood enhancement projects. RES conducts environmental reviews and prepares the NEPA Statutory Worksheets for projects that are categorically excluded under NEPA, such as decorative street name posts, entryway monuments, brick paver crosswalks, decorative lighting and landscaping. The preparation of this worksheet requires coordination with environmental regulatory agencies, including the State Historic Preservation Office, the FDEP, and the EPA. The Statutory Worksheet includes a Determination section with three options. If the project does not require mitigation for compliance with listed statutes or authorities, nor require formal permit or license, then it converts to Exempt status. Several of these projects have been elevated to a class of action determination of Environmental Assessment. Project effects evaluated include sociocultural, natural and physical environmental resources.

Gayle L. Stone, MS

Environmental and Permitting

Ms. Stone is an environmental consultant and ecologist. Her main areas of expertise include preparation of National Environmental Policy Act (NEPA) documents, wetland delineations, wetland functional assessments, protected species surveys and environmental permitting. She has participated in numerous Project Development and Environment (PD&E) Studies for the Florida Department of Transportation (FDOT) and performed Environmental Assessments and Categorical Exclusions for municipalities, city housing authorities, community redevelopment agencies and county transportation agencies. Her additional project experience includes benthic/seagrass surveys, bird surveys, tree surveys, wetland and wildlife monitoring and construction permit compliance inspections.

AT A GLANCE.

Years of Experience
30 years

Education
- MS, Marine Biology, Nova Southeastern University, Fort Lauderdale, Florida, 1997
- BA, Biology and Music Double Major, Skidmore College, Saratoga Springs, New York, 1987

Certificates | Licenses
- PADI Scuba Certified No. 9111278063

SELECT WORK EXPERIENCE

Avant Garde Sidewalk LAP Project, City of Hollywood, Broward County, Florida

This is a sidewalk improvement project related to the Safe Routes to School program for the Avant Garde Academy in Hollywood, Florida. The project included the design and NEPA evaluation for completing the missing sections of concrete sidewalks along both sides of roads for a total of 13,225 linear feet in 26 different blocks within 0.71 miles of the school. RES' role on this project was to evaluate sociocultural, contamination, natural resources and other environmental resource project effects. The environmental document was a CatEx 2, with back up memos for each environmental resource. Ms. Stone was the senior scientist and provided coordination with the FDOT on the NEPA compliance documentation.

Bay Crossing Permitting for Beach Corridor Rapid Transit Project, Miami-Dade County, Florida

This project involves a new, elevated, rapid-transit connection from Miami to Miami Beach on the south side of MacArthur Causeway, called the Beach Corridor Bay Crossing. RES was tasked with acquiring environmental permits for construction of the Bay Crossing to advance this segment of the Beach Corridor. The Bay Crossing includes two bridges over federal channels and the USCG was identified as the lead federal permitting agency due to the bridge crossings. Ms. Stone prepared an Environmental Assessment to fulfill USCG NEPA requirements and submitted the Bridge Permit Application package to the USCG. In addition, Ms. Stone was a lead reviewer for the Environmental Permit Report that detailed impacts to seagrass, corals, threatened and endangered species, and EFH. Extensive coordination with permitting and commenting agencies was conducted, including NMFS and SFWMD, to determine mitigation for seagrass and coral impacts. Two seagrass mitigation plans, a coral relocation plan and a coral mitigation plan were developed. RES acquired a Conceptual Environmental Resource Permit from SFWMD and completed consultation for endangered species and EFH with NMFS. Ms. Stone also coordinated with USACE to gain Section 408 approval for crossings of federal channels.

South Olive Tennis Center HUD Environmental Assessment, City of West Palm Beach, Palm Beach County, Florida

Ms. Stone performed an Environmental Assessment in accordance with the HUD environmental review process for this community facility in West Palm Beach. The project involved replacing an historical structure, known as the Maddock House, with a new structure adequate to meet the needs of the Tennis Center that operates out of South Olive Park. The structure is ineligible for listing in the National Register of Historic Places because it had been moved to the site from its original location. Ms. Stone coordinated with the City's Historic Preservation Office regarding the historical significance of the structure as balanced with the current needs of the community and completed that HUD Environmental Assessment NEPA Checklist and Statutory Worksheet for the project, which included an evaluation of land development factors, socioeconomic and cultural environment, and physical and natural features. The result was a Finding of No Significant Impact.

Martin Luther King, Jr. Boulevard Environmental Review, Broward County, Florida

Ms. Stone completed the Type I and Programmatic Categorical Exclusion (CE) Checklist and CE Memo for this streetscape improvement project between NW 31st Avenue and Powerline Road. This project is one segment of a planned, multi-city education corridor partially funded through the FDOT LAP. The environmental review included coordination with the State

Historic Preservation Office regarding a potentially historic site and an inventory of community and cultural resources. Ms. Stone also assisted with the preparation of letter mailings to residents and businesses along the project corridor for public involvement.

Fort Lauderdale CRA NW 7th/9th Avenue Connector Reevaluation, City of Fort Lauderdale, Broward County, Florida

As a subconsultant, Ms. Stone prepared a NEPA Reevaluation due to an alignment shift in a segment of the NW 7th/9th Avenue Connector between Sistrunk and Sunrise Boulevards. Land use, contamination, pond siting, cultural resources and public involvement were included in the NEPA documentation.

General Environmental Engineering Services, City of Fort Lauderdale, Florida

The City of Fort Lauderdale seeks Community Development Block Grants from U.S. Housing and Urban Development to improve quality of life through neighborhood enhancement projects. Ms. Stone conducts environmental reviews and prepares the NEPA Statutory Worksheets for projects that are categorically excluded under NEPA, such as decorative street name posts, entryway monuments, brick paver crosswalks, decorative lighting and landscaping. She also assisted the City of Fort Lauderdale with an Area-Wide Floodplain Management Eight-Step Decision Making Process by developing a flow chart for types of projects that have a negligible effect on the environment. The Process included preparing early and final public notices for publication and recommending the implementation of standard industry protocols to minimize potential adverse impacts within the floodplain.

Beach Corridor Rapid Transit Project Tier 2 PD&E Study, Miami-Dade County, Florida, Miami-Dade County, Florida

This project is a continuation of the NEPA process from the Tier I Evaluation, in which alignments for the Beach Corridor were selected. The alignments include a Bay Crossing, or Trunk Line, on MacArthur Causeway from Miami to Miami Beach, a Miami Extension to the Design District on Miami Avenue, and a Miami Beach Extension on Washington Avenue from 5th Street to the Miami Beach Convention Center. Ms. Stone was the lead Senior Scientist for this project. Initially, this project was screened through the Environmental Screening Tool on FDOT's Efficient Transportation Decision Making (ETDM) website to solicit comments from public agencies. A Preliminary Environmental Discussion was prepared for the screening. Ms. Stone then prepared the Sociocultural Effects Evaluation to submit as part of the Environmental Technical Advisory Team comments. She then compiled agency comments and prepared the Summary Report for publication on ETDM. For the draft NEPA documents for the PD&E Study, Ms. Stone prepared the Natural Resources Evaluation, which included evaluations of Protected Species and Habitat, Wetland/Benthic Resources and Other Surface Waters, and Essential Fish Habitat. She was also instrumental in preparing the Sociocultural Effects Evaluation and the NEPA Checklist for Federal Transit Administration (FTA) funding.

Baywalk Permitting and Environmental Engineering Services, City of Miami Beach, Miami-Dade County, Florida

Ms. Stone is responsible for preparing and processing the environmental permit applications and coordinating with the engineering subconsultants and the City. The proposed project is a pedestrian walkway over water on Biscayne Bay from the 10th Street City right-of-way to 12th Street. Initially, Ms. Stone led the team of marine biologists in performing a detailed seagrass survey. She prepared the Environmental Summary Report, which included maps of the seagrass beds observed, impacts to each seagrass bed from installation of pilings and impacts to each seagrass bed from the grated, elevated walkway. The Report also included a functional assessment using the Uniform Mitigation Assessment Method, a protected species and habitat evaluation, and an avoidance and minimization discussion. Ms. Stone compiled the supporting documentation for the permit application packages, including ownership and consent documents from the three adjoining properties, and prepared the Federal, State and Miami-Dade County permit applications.

Southern Boulevard Bridges PD&E Study, FDOT District Four, Palm Beach County, Florida

This project involved replacement of two bridges and associated reconstruction of the causeway that cross the Lake Worth Lagoon. Ms. Stone performed seagrass and mangrove surveys and prepared the Wetland Evaluation Report/Benthic Habitat Assessment and the Endangered Species Biological Assessment, which included the Essential Fish Habitat Assessment. She also coordinated with the regulatory agencies regarding impacts to these habitats and prepared the Type II Categorical Exclusion NEPA document.

Plantation Tram Bus Stops, City of Plantation, Broward County, Florida

Ms. Stone prepared the Type I and Programmatic CE Checklist NEPA documentation to seek funding through the FDOT LAP Program for this project to create or improve bus stop amenities for the Plantation Tram.

KENNETH HARDIN

Cultural Resource Assessment Survey (CRAS)

EDUCATION

M.A. 1983 University of South Florida (Cultural Resource Management)
B.A. 1975 Duke University (Psychology and South Asian Studies)

PROFESSIONAL AFFILIATIONS

- Register of Professional Archaeologists
- Florida Archaeological Council (President 1988 - 1990)
- Florida Trust for Historic Preservation (Trustee 2005 - 2011)
- American Cultural Resource Association (Founding member)
- Court Certified Expert Witness
- Meets the Secretary of the Interior's Professional Qualifications Standards
- 45 Years of Experience

PROFESSIONAL EXPERIENCE

Mr. Hardin, the President and CEO of Janus Research, serves at the Project Manager of all District Four projects. In his 44 years of experience, Mr. Hardin has played a key role in the development of statewide policies, procedures, and preservation law, having assisted the Florida Department of Transportation with their Cultural Resource Management Handbook, updates of the PD& E Manual, Section 106 and 4(f) training, and the implementation of ETDM, sociocultural effects analysis, and Native American coordination. He is a leading authority in Section 106, NEPA cultural resource compliance, and Section 4(f) for transportation projects. He has an in-depth understanding of the challenges posed by federal laws, regulations, and guidelines and knows how to successfully negotiate the complex process of State Historic Preservation Office (SHPO) and regulatory approval. He excels at developing creative mitigation strategies with little or no impact to construction schedules and has long-standing relationships with the Florida State Historic Preservation Officer, the US Army Corps of Engineers, the Florida Department of Environmental Protection, the Coast Guard, Federal Highway Administration, Federal Transit Administration, Federal Rail Administration, the Advisory Council for Historic Preservation, and the National Park Service as well as preservation officers of local government in east and south Florida. Mr. Hardin is a court certified expert witness in the field of archaeology and cultural resource management.

RELEVANT PROJECTS

State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study in both Martin and St. Lucie Counties, Florida - This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the *National Historic Preservation Act* (NHPA) *of 1966* (Public Law 89-655, as amended), as implemented by 36 CRF 800 (*Protection of Historic Properties*, effective January 2001) and the Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the FDOT *Project Development and Environment Manual*. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.

State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808) in Broward and Palm Beach Counties, Florida - The cultural resource assessment survey (CRAS) complies with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 (*Protection of Historic Properties*,), Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the FDOT *PD&E Manual*. No newly or previously recorded archaeological sites were identified within the archaeological APE and a reconnaissance survey confirmed that much of the APE has been altered by berming and ditching and the construction

of the roadway. The historic resources survey resulted in the identification of one historic railroad and six historic canals. Of these, the Florida East Coast (FEC) Railway and the Hillsborough Canal were evaluated as eligible for listing in the National Register of Historic Places (NRHP). A reconnaissance survey was also undertaken to identify any significant historic resources outside the APE. This resulted in the identification of one previously recorded NRHP-eligible resource, the Seaboard Air Line (CSX) Railroad. Because all improvements are being constructed within the existing FDOT ROW, no impacts to historic resources are anticipated.

SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649), was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.

Interstate 95 (I-95) / State Road 9 (SR 9) Project Development and Environment Study from South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820), Broward County, Florida - This Cultural Resources Assessment Survey (CRAS) resulted in the identification of no newly or previously recorded archaeological sites and a total of 192 historic resources. Two previously recorded resources within the project APE were determined National Register–eligible: the Hollywood Seaboard Air Line Railway Station (8BD163) located at 3001 Hollywood Boulevard and portions of the Seaboard Air Line (CSX) Railroad (8BD4649/8DA10753). Updated FMSF forms were completed for these two resources. Additionally, the historic resource survey identified five resource groups: Orangebrook Golf Course (8BD6682), Sunset Gold (8BD6681), Silver Hill Jackson Condominium (8BD6680), Town Colony Condominium (8BD6679) and Holiday Park Mobile Estates (8BD6678). These historic resources groups were all considered National Register–ineligible. Finally, of the 183 historic buildings newly recorded during this survey, only one, Stratford's was considered National-Register eligible under Criterion C in the area of Architecture.

SR-9/I-95 @ SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 52 historic resources. The identified historic resources include one cemetery (North Woodlawn Cemetery–8BD4879), two resource groups (Seaboard Air Line [CSX] Railroad–8BD4649 and the Salvation Army Complex–8BD6346), and 49 buildings (8BD1452 and 8BD6298–8BD6344). Four of the historic resources were previously recorded (8BD1452, 8BD3414, 8BD4649, and 8BD4879), and 48 were newly recorded (8BD6298–8BD6344 and 8BD6347). Three historic resources, Seaboard Airline Railroad Station at 200 SW 21st Terrace (8BD1452), Seaboard Air Line (CSX) Railroad (8BD4649), and North Woodlawn Cemetery (8BD4879), were previously determined National Register–eligible by the SHPO. All other historic resources located within the current APE were considered individually ineligible for inclusion in the National Register. After the CRAS was accepted by the SHPO, a Case Study was completed for the three National Register-eligible resources. Based upon the Section 106 process, potential effects that the proposed project improvements may have on the identified National Register–eligible and -listed historic resources were evaluated. In consideration of available project information, the proposed project was evaluated as having no adverse effect on the Seaboard Air Line (CSX) Railroad (8BD4649) and North Woodlawn Cemetery (8BD4879). No adverse effect to the Seaboard Airline Railroad Station (8BD1452) was anticipated, but further consultation with SHPO may take place in order to ensure the design of the proposed canopy structure there will be sensitive to the historic station building.

SR 836/I-395 Project Development & Environment (PD&E) Study, Miami-Dade County, Florida - This project required a fast turnaround and involved the reevaluation of several PD&E commitments regarding the National Register-eligible Grove Park Historic District. The historic resources survey which identified 257 historic resources within the APE, 92 of which were newly identified and documented in the FMSF. The numerous significant resources required further effects documentation, and Janus Research also assisted with the NEPA Reevaluation document.

JAMES PEPE

Cultural Resource Assessment Survey (CRAS)

EDUCATION

M.A. 1999 Florida Atlantic University (Anthropology)
B.A. 1991 University of Florida (English)
A.A. 1988 Palm Beach Junior College

PROFESSIONAL AFFILIATIONS

- Register of Professional Archaeologists
- Florida Archaeological Council
- 33 Years of Experience

PROFESSIONAL EXPERIENCE

Mr. Pepe has over 32 years of Cultural Resource Management experience in South Florida, working on projects ranging from the Archaic period to post–World War II sites. He has a comprehensive understanding of the Section 106 process and Chapter 267, *Florida Statutes*. He served as the Project Archaeologist on several PD&E and NEPA projects in South Florida. Mr. Pepe is intimately familiar with the unique environment and archaeological record of South Florida and the methods required to adequately identify and evaluate archaeological sites there. He has led several large-scale surveys in the interior wetlands of South Florida, including surveys for Palm Beach, Martin, and St. Lucie counties, the South Florida Water Management District, the Seminole Tribe of Florida, and the Miccosukee Tribe of Indians of Florida. Each of these surveys required a thorough knowledge of local drainage patterns and natural communities gained through the examination of resources such as modern and historic aerial photographs. Mr. Pepe also successfully completed the National Historic Landmark nomination for Fort King, the only Seminole War period fort in Florida to be landmarked by the Department of the Interior.

RELEVANT PROJECTS

State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study in both Martin and St. Lucie Counties, Florida - This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the *National Historic Preservation Act* (NHPA) *of 1966* (Public Law 89-655, as amended), as implemented by 36 CRF 800 (*Protection of Historic Properties*, effective January 2001) and the Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the FDOT *Project Development and Environment Manual*. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.

State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808) in Broward and Palm Beach Counties, Florida - The cultural resource assessment survey (CRAS) complies with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 (*Protection of Historic Properties*,), Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the FDOT *PD&E Manual*. No newly or previously recorded archaeological sites were identified within the archaeological APE and a reconnaissance survey confirmed that much of the APE has been altered by berming and ditching and the construction of the roadway. The historic resources survey resulted in the identification of one historic railroad and six historic canals. Of these, the Florida East Coast (FEC) Railway and the Hillsborough Canal were evaluated as eligible for listing in the National Register of Historic Places (NRHP). A reconnaissance survey was also undertaken to identify any significant historic resources outside the APE. This resulted in the identification of one previously recorded NRHP-eligible resource, the Seaboard Air Line (CSX) Railroad. Because all improvements are being constructed within the existing FDOT ROW, no impacts to historic resources are anticipated.

SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649), was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.

Interstate 95 (I-95) / State Road 9 (SR 9) Project Development and Environment Study from South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820), Broward County, Florida - This Cultural Resources Assessment Survey (CRAS) resulted in the identification of no newly or previously recorded archaeological sites and a total of 192 historic resources. Two previously recorded resources within the project APE were determined National Register–eligible: the Hollywood Seaboard Air Line Railway Station (8BD163) located at 3001 Hollywood Boulevard and portions of the Seaboard Air Line (CSX) Railroad (8BD4649/8DA10753). Updated FMSF forms were completed for these two resources. Additionally, the historic resource survey identified five resource groups: Orangebrook Golf Course (8BD6682), Sunset Gold (8BD6681), Silver Hill Jackson Condominium (8BD6680), Town Colony Condominium (8BD6679) and Holiday Park Mobile Estates (8BD6678). These historic resources groups were all considered National Register–ineligible. Finally, of the 183 historic buildings newly recorded during this survey, only one, Stratford's was considered National-Register eligible under Criterion C in the area of Architecture.

SR-9/I-95 @ SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 52 historic resources. The identified historic resources include one cemetery (North Woodlawn Cemetery–8BD4879), two resource groups (Seaboard Air Line [CSX] Railroad–8BD4649 and the Salvation Army Complex–8BD6346), and 49 buildings (8BD1452 and 8BD6298–8BD6344). Four of the historic resources were previously recorded (8BD1452, 8BD3414, 8BD4649, and 8BD4879), and 48 were newly recorded (8BD6298–8BD6344 and 8BD6347). Three historic resources, Seaboard Airline Railroad Station at 200 SW 21st Terrace (8BD1452), Seaboard Air Line (CSX) Railroad (8BD4649), and North Woodlawn Cemetery (8BD4879), were previously determined National Register–eligible by the SHPO. All other historic resources located within the current APE were considered individually ineligible for inclusion in the National Register. After the CRAS was accepted by the SHPO, a Case Study was completed for the three National Register-eligible resources. Based upon the Section 106 process, potential effects that the proposed project improvements may have on the identified National Register–eligible and -listed historic resources were evaluated. In consideration of available project information, the proposed project was evaluated as having no adverse effect on the Seaboard Air Line (CSX) Railroad (8BD4649) and North Woodlawn Cemetery (8BD4879). No adverse effect to the Seaboard Airline Railroad Station (8BD1452) was anticipated, but further consultation with SHPO may take place in order to ensure the design of the proposed canopy structure there will be sensitive to the historic station building.

MDX SR 836/Dolphin Expressway Southwest Extension **Project Development & Environment Study, Miami-Dade County, Florida -** Mr. Pepe led all aspects of this multi-year project. This work involved the management of multiple crews and many different proposed design changes. For this project, Mr. Pepe also obtained 1A-32, Right-of-Entry and Special Use permits from the Florida Bureau of Archaeological Research, Florida Department of Environmental Protection, the South Florida Water Management District, and Florida International University. Mr. Pepe oversaw all background research, including the development of zones of archaeological probability, all fieldwork, analysis, evaluations of National Register eligibility, and report preparation for the project. He frequently coordinated with project engineers to aid them with project designs that minimize effects to archaeological sites within the study area. During the project, Mr. Pepe also helped to represent the Miami-Dade Expressway Authority during meetings with the U.S. Army Corps of Engineers.

AMY STREELMAN

Cultural Resource Assessment Survey (CRAS)

EDUCATION

M.H.P. 1998 University of Georgia (Historic Preservation)
B.A. 1993 Florida State University (English)

PROFESSIONAL AFFILIATIONS

- Florida Trust for Historic Preservation
- National Trust for Historic Preservation
- 27 Years of Experience

PROFESSIONAL EXPERIENCE

Ms. Streelman has documented and evaluated thousands of historic resources found throughout Florida, with specific emphasis on resources in the South Florida region. Her expertise resulted in the development of project methodologies and approaches meant to address the region's unique challenges and architectural characteristics. She has over 24 years of experience with CRM in Florida and has advanced knowledge of Section 106, 36 CFR 800, Section 4(f), Chapter 267 F.S., and other federal and state laws and regulations as well as the National Register of Historic Places criteria of eligibility. She has extensive experience identifying and assessing the unique historic resources of the South Florida area, from the ornate Mediterranean Revival homes of Coral Gables, to the simple vernacular buildings found in the Florida Keys, to canals, roadways, and railroad corridors. Ms. Streelman has prepared over 300 Cultural Resource Assessment Survey (CRAS) documents that have been approved by all regulatory agencies and the State Historic Preservation Officer (SHPO). She has prepared numerous reports for projects involving NRHP-listed or NRHP-eligible resources such as bridges, historic districts, and roadways.

RELEVANT PROJECTS

State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study in both Martin and St. Lucie Counties, Florida - This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the *National Historic Preservation Act* (NHPA) *of 1966* (Public Law 89-655, as amended), as implemented by 36 CRF 800 (*Protection of Historic Properties*, effective January 2001) and the Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the FDOT *Project Development and Environment Manual*. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.

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SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649), was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.

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SR-9/I-95 @ SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 52 historic resources. The identified historic resources include one cemetery (North Woodlawn Cemetery–8BD4879), two resource groups (Seaboard Air Line [CSX] Railroad–8BD4649 and the Salvation Army Complex–8BD6346), and 49 buildings (8BD1452 and 8BD6298–8BD6344). Four of the historic resources were previously recorded (8BD1452, 8BD3414, 8BD4649, and 8BD4879), and 48 were newly recorded (8BD6298–8BD6344 and 8BD6347). Three historic resources, Seaboard Airline Railroad Station at 200 SW 21st Terrace (8BD1452), Seaboard Air Line (CSX) Railroad (8BD4649), and North Woodlawn Cemetery (8BD4879), were previously determined National Register–eligible by the SHPO. All other historic resources located within the current APE were considered individually ineligible for inclusion in the National Register. After the CRAS was accepted by the SHPO, a Case Study was completed for the three National Register-eligible resources. Based upon the Section 106 process, potential effects that the proposed project improvements may have on the identified National Register–eligible and -listed historic resources were evaluated. In consideration of available project information, the proposed project was evaluated as having no adverse effect on the Seaboard Air Line (CSX) Railroad (8BD4649) and North Woodlawn Cemetery (8BD4879). No adverse effect to the Seaboard Airline Railroad Station (8BD1452) was anticipated, but further consultation with SHPO may take place in order to ensure the design of the proposed canopy structure there will be sensitive to the historic station building.

Cultural Resource Assessment Survey of Ludlam Trail, Miami-Dade County, Florida - This project was a new 5.6-mile multi-use publicly-accessible paved trail within the former Florida East Coast (FEC) Railroad corridor serving bicyclists, pedestrians, and users of other types of non-motorized vehicles. Ludlam Trail consists of a 12-foot-wide bike path and an 8-foot-wide pedestrian path with an adjacent 2-foot soft natural surface, separated in areas by a 14-foot grassed buffer. Two historic wooden rail bridges over the C-3 and the C-4 canals were replaced by new clear span bridges. Janus Research worked with AECOM and the County to prepare HAER documentation for the significant bridges and railroad, as the National Register resources were being removed as part of the trail construction. Janus Research also prepared text for the state historic marker that was placed in proximity to the historic resources that were removed.

Education

2018

Master of Business Administration (MBA)
Louisiana State University (LSU), Shreveport, LA

2013

Master of Engineering – Civil Engineering
University of Florida (UF), Gainesville, FL

2012

Bachelor of Science in Civil Engineering
University of Florida (UF), Gainesville, FL

Licenses

- Registered Professional Engineer, #83239, Florida
- Registered Special Inspector, #83239, Florida
- Florida Engineering Leadership Institute (FELI) of 2017
- PTI – Post Tension Inspector – Level I/II
- ACI – Concrete Construction Special Inspector
- ACI – Concrete Field Certified
- ICC – Structural Steel and Bolting Special Inspector
- ICC – Structural Masonry Special Inspector
- ICC – Soils Special Inspector

Expertise

- Geotechnical Engineering
- Structural Inspection & Analysis
- Quality Control & Testing (Asphalt, Concrete, Earthwork, Aggregates)
- Project Management
- Stormwater Management
- Radiation Safety & Training

Affiliations/ Memberships

- American Society of Civil Engineers (ASCE)
- Florida Transportation Builders' Association (FTBA)
- Florida Engineering Society (FES)
- American Concrete Institute (ACI)
- International Code Counsel (ICC)
- Post-Tensioning Institute (PTI)

Wesley C. Foster P.E, S.I, M.B.A

Geotechnical Engineering

PACIFICA ENGINEERING SERVICES

With a decade-plus tenure in code compliance, inspections, and construction operations, Mr. Foster brings a wealth of expertise to the Florida Private Provider sector. His portfolio spans both public and private initiatives, with a special focus on Florida's diverse construction landscape. His role encompasses overseeing code compliance, subsurface explorations, laboratory assessments, construction procedures, and the crafting of geotechnical reports, along with construction material testing and inspection.

His background is rich in private provider plan review and inspections, threshold building construction inspections, construction material testing, construction engineering and inspection, engineering management, and geotechnical engineering. Mr. Foster has effectively managed operations for companies specializing in private provider plan review and inspections, construction materials testing, inspection, and geotechnical engineering. He has adeptly handled Building Department contracts, both as a primary and secondary consultant, and is a licensed Professional Engineer and Special Inspector in Florida.

His skill set includes coordinating human resources and administering a wide array of private provider plan review and inspections, material testing and construction inspection services. He leads teams in conducting tests on deep foundations, soil for site work, concrete and asphalt pavement, construction inspection, structural steel inspection, and fire and waterproofing evaluations. Mr. Foster's project management skills extend to handling projects involving code compliance, soils, concrete, and asphalt, as well as reinforcing steel and threshold inspections across various industries.

Experience

Cipriani Residences - Miami, FL

Principal Engineer

Residences Miami is a residential condominium building in Brickell, with 80 stories and 405 luxury residences of 1 to 4 bedrooms, with amazing water and city views. This condo offers more than 18,000 square feet of commercial spaces, 1,650 parking spaces, 2,472 spaces for bicycles, super luxury amenities with 2 swimming pools, restaurants, cabanas, gym, the in-house Cipriani Services and much more. Mr. Foster served as the Private Provider and Project Administration responsible for providing Private Provider Plan Review and Inspections.

FAU Schmidt Family Complex, Boca Raton - Palm Beach County

Principal Engineer

The Schmidt Family Complex for Academic & Athletic Excellence at Florida Atlantic University (FAU) will be a state-of-the-art education and athletic facility which will include 121,000-sq.-ft. of new construction (offices, classrooms for the MBA Sport Management program, weight and training room, etc.), 20,000-sq.-ft. of locker room and support space to be renovated within the existing stadium, as well as construction of two new outdoor football practice fields. Mr. Foster served as the Private Provider, Threshold Inspector and Project Administration responsible for providing Geotechnical Engineering recommendations, Construction Material Testing, Vibration Monitoring, Floor Flatness/Levelness Testing, Threshold Inspections and Private Provider Plan Review and Inspections.

Wynwood Square – Miami, FL

Principal Engineer

The project consists of the construction of twelve (12) stories, approximately 612,192 square foot mix-use Development along with the associated site work. The development will also include concrete slabs, parking garage and associated underground utilities. Mr. Foster served as the Geotechnical Engineer and Project Administration responsible for reviewing the subsurface investigation, laboratory-testing, foundation design, engineering analysis, private provider inspection, threshold inspection, material testing and report preparation.

Wynwood 27 & 28 – Miami, FL

Principal Engineer

Wynwood 27 is a 5-story mixed-use building of approximately 120,000 GSF. Wynwood 28 is an 8-story high rise mixed-use building of approximately 208,000 GSF. Additionally, the development will consist of paved parking/drive areas and a stormwater management system. Mr. Foster served as the Geotechnical Engineer and Project Administration responsible for reviewing the subsurface investigation, laboratory-testing, foundation design, engineering analysis, private provider inspection, threshold inspection, material testing and report preparation.

Merrimac Plantation - Plantation, FL

Principal Engineer

Merrimac Plantation is a 305-unit multifamily development of approximately 294,000 SF. Mr. Foster served as the Private Provider and Project Administration responsible for providing Private Provider Plan Review and Inspections. Mr. Foster served as the Private Provider, Threshold Inspector and Project Administration responsible for providing Geotechnical Engineering recommendations, Construction Material Testing, Vibration Monitoring, Floor Flatness/Levelness Testing, Threshold Inspections and Private Provider Plan Review and Inspections.

Icon Marina Village - West Palm Beach, FL

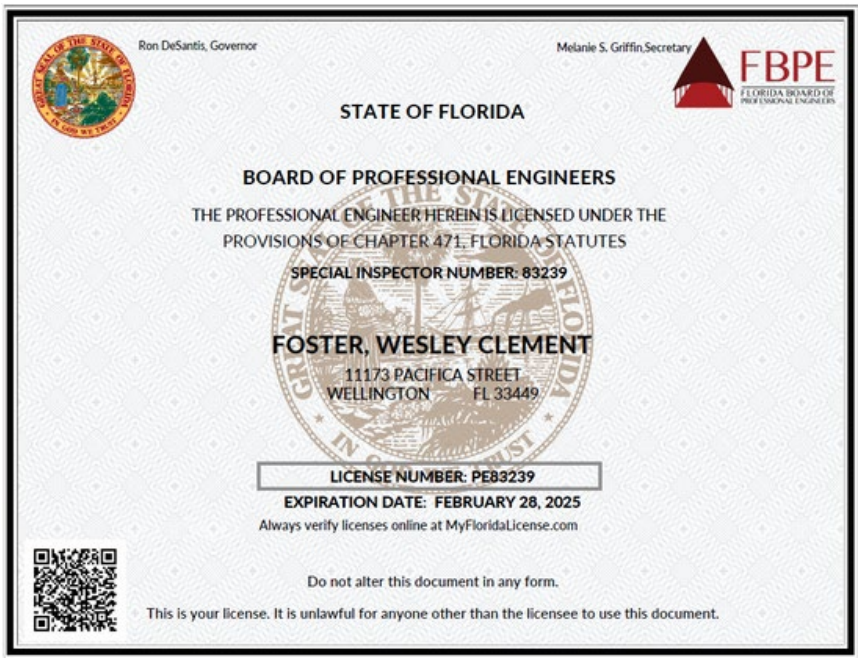
Principal Engineer

Icon Marina Village features 399 units in two luxurious high-rise towers, amenities will include a semi-private beach club with day dock and sand beach, a heated European-edge swimming pool, business lounge, fire pit and outdoor kitchen, a relaxing spa with sauna. Mr. Foster served as the Private Provider, Threshold Inspector and Project Administration responsible for providing Geotechnical Engineering recommendations, Construction Material Testing, Vibration Monitoring, Floor Flatness/Levelness Testing, Threshold Inspections and Private Provider Plan Review and Inspections.

515 Rosemary - West Palm Beach, FL

Principal Engineer

Located in the heart of The Square, 575 Rosemary is a 21-story mixed-use property featuring luxury rental residences and 35,900 square feet of best-in-class office space. With 360 state-of-the-art-rental residences and an amenities package boasting an outdoor sundeck with resort-style pool, grills, indoor-outdoor dining, yoga studio and fitness center plus entertainment lounge and reserve-able party spaces, 575 is destined to become West Palm's premier luxury residential address. Mr. Foster served as the Private Provider, Threshold Inspector and Project Administration responsible for providing Construction Material Testing, Auguercast Pile Monitoring, Vibration Monitoring, Floor Flatness/Levelness Testing, Threshold Inspections and Private Provider Plan Review and Inspections.


Ron DeSantis, Governor

Melanie S. Griffin,Secretary

FBPE

FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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SPECIAL INSPECTOR NUMBER: 83239

FOSTER, WESLEY CLEMENT

11173 PACIFICA STREET
WELLINGTON FL 33449

LICENSE NUMBER: PE83239

EXPIRATION DATE: FEBRUARY 28, 2025

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Education

2010

Masters of Science - Civil Engineering (Geotechnical Emphasis) *Missouri University of Science and Technology*

2006

Bachelor of Science in Civil Engineering *Florida International University*

Licenses

- FL Professional Engineer No. 72242
- PDCA Dynamic Measurement and Analysis Proficiency Test- Basic Level

Expertise

- Foundation Studies
- Ground Improvement Techniques
- Vibration / Noise Monitoring
- Deep Foundation Testing/Inspections
- Slope Stability
- Settlement Studies
- Forensic Studies
- Pavement Evaluation
- Geophysical Studies
- Retaining Wall Design
- In-Situ Testing
- Load Testing and Interpreatation
- Rock Engineering

Affiliations/ Memberships

- American Society of Civil Engineers (ASCE)
- Engineering Contractors Association

Reinaldo Villa, MS, PE

Geotechnical Engineering

Mr. Villa has over nineteen (19) years of project management and field experience in the geotechnical industry and is responsible for client development, project proposals and geotechnical engineering activities. Mr. Villa has a track record of managing successful teams and projects, with a focus on geotechnical engineering, foundation testing, construction materials testing, environmental studies, building inspections, and building sciences. Mr. Villa has an extensive amount of experience with transportation-related projects, specifically design-build contracts with government agencies. He has an extensive amount of experience inspecting and overseeing the installation of various foundation systems for bridges, walls, signs, buildings, lighting, and utilities. His foundation systems inspection and testing experience includes spread footings, driven piles, drilled shafts, auger-cast piles, steel piles, and other structural components.

Experience

Sanibel Causeway Emergency Repairs Progressive Design-Build Project, October 2022 - July 2023. Geotechnical design, laboratory testing, and field exploration (land and marine).

Regional Director

The project includes providing permanent repairs due to the embankment washouts of the Sanibel Causeway due to Hurricane Ian. The project includes the design and installation of permanent steel sheet pile walls and king pile wall systems to replace the temporary repairs performed in 2022. Also, the project includes improvements to the roadway between bridges and permanent sheet pile walls. Geophysical testing was also used to help identify voids and anomalies in areas of major embankment washout. Mr. Villa served as Senior Geotechnical Engineer overseeing all aspects of the field exploration program, laboratory testing program, and engineering deliverables. Mr. Villa also provided oversight to ground penetrating radar (GPR) scanning that was performed in areas of suspected ground subsidence / washout from the hurricane.

I-95 3C Express Lanes Design-Build Project, May 2018 – August 2023.

Regional Director

This project consists of an 11-mile-long, $457 million-dollar design-build project. Universal's scope of work includes Geotechnical design, testing and inspections. Project includes two bridges requiring the use of non-redundant drilled shaft foundations, 21 requiring concrete and steel piling for conventional and category 2 bridges, and 1 bridge requiring auger-cast piles. The bridge requiring auger-cast piles required the use of innovate low-head room equipment instrumentation to check quality of the foundation system. The project also includes roadway improvements, retaining walls (MSE/tie-back/sheet piles), tolling, mast arms, and sign structures. Mr. Villa was also involved with post-design services for all deep foundation elements. Mr. Villa provided oversight on CSL and TIP testing performed on all non-redundant drilled shafts supporting highway bridges. Mr. Villa provided oversight during performance of GPR scanning to locate utilities prior to drilling for geotechnical exploration.

I-395/SR-836 Reconstruction Design-Build Project, May 2018 – August 2023. Geotechnical design, laboratory testing, foundation testing, foundation inspections, and geotechnical construction support

Regional Director

Project includes the design of a signature bridge, segmental bridges, and viaduct bridges supported on auger-cast pile foundations. Mr. Villa served as the geotechnical foundation design engineer of record (GFDEOR) for design of all bridge foundations, roadway elements, ITS structures, signalization structures, and temporary foundations on this project. Mr. Villa certified most foundations (driven piles, drilled shafts and auger-cast piles) and provided oversight on load testing, inspections and testing of deep foundation elements. Mr. Villa provided oversight during performance of cross-hole sonic logging (CSL) testing on drilled shafts and auger-cast piles, thermal integrity profiling (TIP) on auger-cast piles, Pile Driving Analyzer (PDA) testing on driven piles and dynamic (drop) hammer proof load testing on auger-cast piles. Mr. Villa also served as GFDEOR for a 70-foot wide and 40-foot-wide cavity encountered 70 feet below ground in addition to developing a technical special provision for the cavity backfilling and overseeing the performance of geophysical testing (sonar scanning) in order to develop a three-dimensional model of the cavity. Mr. Villa provided oversight during performance of geophysical testing with the use of GPR for evaluation of an MSE wall with soil washout.

HEFT Roadway Improvements, From Bird Road to SR-836 Design-Build Project, 2017-2021.

Regional Director

Geotechnical deep foundation testing and vibration monitoring. Project included the widening of bridges along HEFT mainline as well as construction of new flyover bridges at several interchanges. Mr. Villa provided oversight on all pile driving analyzer (PDA) testing, development of driving criteria letters, and production pile length letters. Also, Mr. Villa also provided oversight on all vibration monitoring during construction activities that may impact existing structures. Additionally, Mr. Villa provided oversight for CSL testing on shafts with deficiencies

MDX Central Boulevard Design-Build Project, 2010 to 2012.

Regional Director

Project consists of reconstruction, realignment and service loop improvements to the main highway entering and exiting Miami International Airport in Miami, Florida. Mr. Villa's role included planning and supervising field exploration and laboratory testing programs for the analysis and design of shallow and deep foundation systems as well as for roadway expansion. The project required developing innovate solutions for foundation and pavement systems to accommodate existing facilities, structures, vehicular and air traffic, and pedestrians. His duties included proposal preparation, attending weekly meetings, planning and supervising all geotechnical field and laboratory related activities, foundation analysis and design, site preparation for roadways, geotechnical report preparation, oversee foundation installation, review foundation testing data and provide foundation certifications for all foundation systems. Mr. Villa also assisted with CSL testing for drilled shafts supporting miscellaneous structures

FDOT NW 25th Street Viaduct West Section, 2012

Regional Director

The project requires extending the existing viaduct over SR 826 (Palmetto Expressway) to west of west of NW 82nd Avenue in Miami, Florida. The geotechnical services consisted of changing drilled shaft foundations to a driven pile system to expedite construction and reduce costs for the contractor. Mr. Villa's role included reviewing existing geotechnical test data and performing value engineering for design of the driven pile systems. Duties also included overseeing all aspects of pile driving inspections, reviewing Pile Driving Analyzer (PDA) data, preparing production pile length letters, driving criteria, review of all pile driving records and preparing foundation certification packages in accordance with FDOT standards.

FDOT Palmetto Expressway Improvements Section 2, 2008 to 2011.

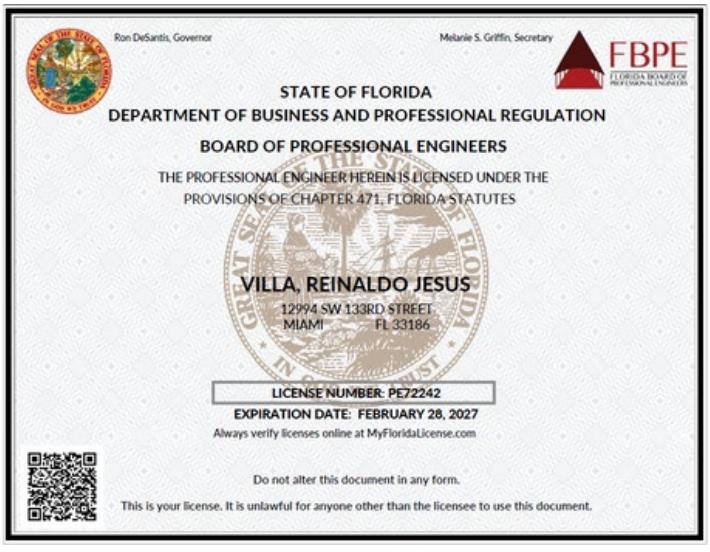
Regional Director

The project consisted of widening, reconstruction and new construction of new roadways and ramps as well as eight (8) bridges and associated retaining wall systems. Mr. Villa's duties included planning and supervising field exploration and laboratory testing programs for use in evaluation of ground improvement techniques for roadway construction as well as for the analysis and design of shallow and deep foundation systems. Responsibilities included performing analysis and design of various foundation systems for bridges, retaining walls, and miscellaneous structures. Responsibilities also included preparing all geotechnical reports, plan reviews, overseeing staff engineers, supervising field inspections for the installation of foundations for bridges and miscellaneous structures, developing pile driving criteria, and preparing foundation certification packages.

Various FDOT Districtwide Contracts (Districts 4 and 6), 2004 to 2012.

Regional Director

Contracts required providing geotechnical drilling, testing, and support services for various FDOT projects from Monroe to Martin Counties, Florida. The services were performed on an as-needed basis to serve as an extension of the FDOT District Materials Office. Mr. Villa's role included serving as staff engineer and project engineer for over 250 task work orders. Responsibilities included site reconnaissance, plan reviews, preparing proposals, planning and overseeing geotechnical field investigations, reviewing soil/rock samples in the laboratory, developing subsurface profiles for each task based on the geotechnical data obtained, performing analysis and design for the installation of various foundation systems for structures, providing site preparation recommendations for roadway improvements, providing foundation installation inspections, and geotechnical reports.



Ron DeSantis, Governor

Melanie S. Griffin, Secretary

FBPE

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

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

VILLA, REINALDO JESUS

12994 SW 133RD STREET
MIAMI FL 33186

LICENSE NUMBER: PE72242

EXPIRATION DATE: FEBRUARY 28, 2027

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Todd Mohler, RLA, ISA, IA

Landscaping Analysis Lead

31 YEARS

TOTAL EXPERIENCE

CERTIFICATIONS & REGISTRATIONS

RLA / FL / LA0001594 / Exp - 11/30/2025

RLA / GA / 1610 / Exp - 12/31/2024

RLA / SC / 1529 / Exp - 01/31/2025

IA Certified Irrigation Contractor / Exp - 12/31/2024

IA Certified Irrigation Designer / Exp - 12/31/2024

IA Certified Landscape Irrigation Auditor / Exp - 12/31/2024

IA Certified Golf Course Irrigation Auditor / Exp - 12/31/2024

ISA Certified Arborist / Exp - 06/30/2025

Rain Water Catch Sys Accredited Prof (RCS-AP) / Exp - 01/27/2017

Specifications Pkg Prep. Training for Consultants / renewed 9/21/2020

FL Water Star Accredited Prof. - Cert. (FWS- AP)2

LAP Design Criteria Specs. & Const Checklist Trng

EDUCATION

BLA Landscape Architecture / Clemson University / 1993

Mr. Mohler is an experienced landscape architect with a depth of knowledge developed over 30 years of professional experience. His project portfolio ranges broadly between public agencies and private development. He has specific project experience in parks, streetscapes, hospitality, PUDs, and commercial development. His professional services on projects frequently include initial data collection and observation, site analysis, concept and design development, and complete site, landscape, and irrigation design, including construction oversight and inspection services. For several years, Mr. Mohler has designed, tested, inspected, and managed central control irrigation systems. His thorough understanding of water, soils, and plants within the built environment afforded him decades of success in his consulting career within the private sector. Mr. Mohler's decades of experience include irrigation water management through advanced technologies like soil moisture sensing, weather stations, and computerized central control systems.

PROJECT EXPERIENCE

Florida Department of Transportation, I-75 North of Pines Boulevard to South of Griffin Road - Fort Lauderdale, FL. **Senior Landscape Architect.** The design concept Urban Swamp utilized a mostly native plant palette to enhance the aesthetic appearance of the corridor, which included a large interchange at Sheridan Street. The design also provided shade trees along sidewalks to improve the pedestrian experience. Mr. Mohler provided design services of an establishment irrigation system for this standalone landscape project.

City of Coconut Creek, Cougar Trail - Coconut Creek, FL. **Senior Landscape Architect.** KCI provided Landscape Post Design Services and inspection for this streetscape, including new landscape and irrigation. This project was a streetscape and beautification project located in the City of Coconut Creek. The project included an arborists tree inventory and evaluation of existing trees within the right of way and along the canal bank. Mr. Mohler provided a tree inventory and evaluation, landscape and irrigation design, and utility coordination.

Florida Department of Transportation, SR 5/ US 1/ Overseas Highway from Cow Key Bridge to Boca Chica Bridge (Stock Island) - Monroe County, FL. **Senior Landscape Architect.** This project was a 2-mile landscape beautification along the Florida Keys Scenic Highway Corridor and gateway to Key West. The project improves the aesthetics of the corridor for drivers and tourists, and the many users of the adjacent Florida Keys Overseas Heritage Trail. The project restores the natural character and habitat of this unique region by eradicating invasive plant species and installing thousands of shrubs and hundreds of trees that are native to this area.

City of Coconut Creek, Lyons Road - Coconut Creek, FL. **Senior Landscape Architect.** KCI developed the master plan for this seven-mile corridor enhancement project. This project included developing a unified landscape and hardscape treatment, gateway enhancements accenting major intersections, and realigning sidewalks. KCI also developed design and construction drawings for all phases of this project, which included median landscape, hardscape, and irrigation improvements. Mr. Mohler provided site analysis, streetscape design, and landscape and irrigation design for a two-mile roadway beautification project

Todd Mohler, RLA, ISA, IA

Florida Department of Transportation District Six. SR A1A/Collins Avenue from North of Haulover Inlet to South of Bayview Drive. Miami Beach, FL. Senior Landscape Architect. This landscape component of the RRR project adjacent to Haulover Park consisted of landscape inventory and relocation plans for the new pathway along the beach.

Florida Department of Transportation, Andrews Avenue Streetscape - Broward County, FL. Senior Landscape Architect. KCI's involvement with the creation of Andrew's Avenue in Broward County began in 2001, with a PDE study followed by the design of Segments 1, 2, 3, and 5. Mr. Mohler provided site analysis, hardscape layout, maintenance agreements, and planting and irrigation design for this one-mile roadway project.

Florida Department of Transportation, SR A1A/Collins Avenue from North of Haulover Inlet to South of Bayview Drive - Miami Beach, FL. Landscape Architect. This landscape component of the RRR project adjacent to Haulover Park consisted of landscape inventory and relocation plans for the new pathway along the beach.

City of Coconut Creek, Lyons Road Medians/Atlantic Boulevard - Coconut Creek, FL. Senior Landscape Architect. KCI developed the Master Plan for this seven-mile Corridor Enhancement Project. This project included developing a unified landscape and hardscape treatment, gateway enhancements accenting major intersections, and realigning sidewalks. KCI also developed design and construction drawings for all five phases of this project, which included median landscape, hardscape, and irrigation improvements. This project, from Atlantic Blvd to Coconut Creek Parkway, was the final section of the master plan. It involved landscaping, hardscaping, irrigation, and obtaining permits through Broward County.

City of Boca Raton, Hillsboro El Rio (Work Order #3) - Boca Raton, FL. Project Manager. After input from surrounding neighbors and recommendations by the Parks and Recreation Board, a new site plan was created, offering a park that will be open from dawn to dusk and will include a walking and jogging path with a fitness station, a playground, one basketball court, four pickleball courts, one sand volleyball court, two tennis courts, picnic pavilions, a soft launch area for canoes and kayaks into the El Rio canal, and parking and restroom facilities.

SR 426/C 419 Widening from Pine Avenue to Avenue B. Oviedo, FL. Senior Landscape Architect. This landscape LAP project involves landscape, hardscape, and irrigation design. Mr. Mohler is directing the streetscape, landscape and irrigation design for the redevelopment of this downtown corridor to implement complete streets concepts and establish a traditional character.

Loxahatchee Environmental Engagement Campus - Jupiter, FL. Senior Project Manager. KCI provided master site planning services to the Loxahatchee River Environmental Control District (LRECD) for this 20-acre site. KCI performed site analysis and inventory, created concept designs and budgeting, and worked with LRECD to realize a master plan capturing their vision. The master plan for the Environmental Engagement Campus showcases the function of the LRECD within the unique local environment, including the Loxahatchee River, and the stewardship of which is the focus of LRECD's mission.

5th Street Metromover Station - Miami, FL. Senior Project Manger. KCI prepared design development drawings and is working on the construction documents related to implementing improvements to this park site in a dense urban area. KCI performed site analysis and inventory, created concept designs and budgeting, and worked with Miami Dade County Parks, Recreation and Open Spaces to realize their vision. The programmed elements include a nature-based playground (age range 2-5 and 5-12), hardscape improvements, site lighting, park site amenities (benches, trash cans, dog waste stations), walkway through the site, landscape improvements, irrigation system, entrance improvements, and fencing.

Hillsboro El Rio Park, Phase II - City of Boca Raton, FL. Senior Landscape Architect. KCI provided professional landscape architecture, engineering, survey, and environmental services to the City of Boca Raton for the design and site plan approval of a 17-acre park. The Park features include entry signage, a grand pavilion and restroom, large and small pavilions with grills, a fitness path, large passive recreation areas, a non-motorized boat launch, sport courts, a large playground, shade structures, and a fitness station. Due to the site's historical and past uses as a landfill, redevelopment required stormwater permitting through FDEP. ICPR Version 4 was used to model the master drainage system. Stormwater permitting submittals through FDEP were required, as was coordination with ACOE for wetland determination.

Kirk Hoosac, RLA

Senior Landscape Architect

20 YEARS
TOTAL EXPERIENCE

CERTIFICATIONS & REGISTRATIONS

RLA / FL / LA6667091 / Exp - 11/30/2025

EDUCATION

BLA Landscape Architecture / University of Florida / 2006

Mr. Hoosac has served as the Project Manager on 11 Landscape Architecture Districtwide/ Continuing Services contracts in five different FDOT districts, gaining a unique understanding of FDOTs key preferences and objectives. As the previous FDOT District Landscape Architect in District Six, Mr. Hoosac offers a wide range of experience in all phases of landscape architecture, including plan development, concept generation, cost estimating, site inventory, site and master planning, landscape and irrigation design, project specifications, construction observation, landscape inspection, and quality control. He has participated in various project types, such as planning and design for transportation, commercial, residential, and municipal projects. From dynamic presentations to disciplined project management, Mr. Hoosac brings a positive and proactive approach to his projects. His responsive, intuitive, and detail-oriented leadership traits will be passed down to our team as he leads KCI to deliver thorough landscape architecture projects that provide FDOT with a good foundation for setting funding and project priorities.

PROJECT EXPERIENCE

Florida Department of Transportation, SR 907/Alton Road from 5th Street to N Michigan Avenue - Miami Beach, FL. Project Manager. This 1.5-mile section of Alton Road is an active commercial corridor on Miami Beach; heavily traveled by locals and tourists either by foot, bicycle, or automobile. In addition to being a complete roadway reconstruction project, FDOT's scope also included highway beautification with landscape, hardscape, and irrigation plans. The landscape component of this complex $35 million reconstruction project included expanded sidewalks, street trees with special tree covers, landscape and drip irrigation design, city and business coordination, and construction inspection. Mr. Hoosac provided project management for this one mile stretch of Alton Road, requiring coordinated efforts with FDOT District 6 and the City of Miami Beach including phased/modular design to allow seamless future retrofits by residents.

City of Coconut Creek, Cougar Trail - Coconut Creek, FL. Project Manager. KCI provided Landscape Post Design Services and inspection for this streetscape including new landscape and irrigation. This project was a streetscape and beautification project located in the City of Coconut Creek. The project included an arborists tree inventory and evaluation of existing trees within the right of way and along the canal bank. Mr. Hoosac served as project manager for this streetscape and beautification project located in the City of Coconut Creek. The project included tree inventory and evaluation, landscape and irrigation design and utility coordination.

Florida Department of Transportation, SR 5/ US 1/ Overseas Highway from Cow Key Bridge to Boca Chica Bridge (Stock Island) - Monroe County, FL. Project Manager. This project was a 2-mile landscape beautification along the Florida Keys Scenic Highway Corridor and gateway to Key West. The project improves the aesthetics of the corridor for drivers and tourists, and the many users of the adjacent Florida Keys Overseas Heritage Trail. The project restores the natural character and habitat of this unique region by eradicating invasive plant species and installing thousands of shrubs and hundreds of trees that are native to this area.

Florida Department of Transportation, US-1, Key Largo and Tavernier, MM97 to MM99 - Monroe County, FL. Project Manager. KCI provided billboard coordination, tree inventory, landscape design, and field inspection. This project is a beautification of a 2.5-mile section of the upper Keys main business district through Key Largo, adjacent to the Florida Keys Overseas Heritage Trail.

Riviera Beach Community Redevelopment Agency, Avenue E Corridor Streetscape Study - Riviera Beach, FL. Senior Landscape Architect. KCI provided professional research and design services for the Avenue E Corridor Streetscape Study to develop an enhanced, vibrant streetscape environment for property and business owners and the public. KCI prepared a comprehensive report that describes the existing physical environment of the roadway, pedestrian sidewalk system, and

adjacent buildings/properties lining the corridor. KCI recommended potential streetscape, zoning entitlement, and design and development standards changes to beautify, enhance, and create an environment to attract new investment and redevelopment to foster economic vitality within the project area.

Florida Department of Transportation, Turtle Creek Design Services - Coral Springs, FL. **Senior Landscape Architect.** KCI performed design and permitting for street bike lanes and ADA improvements on Turtle Creek Drive. The design consisted of roadway widening, milling and resurfacing, updated signing and marking, drainage improvements and utility coordination.

Florida Department of Transportation, SR A1A Fort Lauderdale Beach Streetscape - Fort Lauderdale, FL. **Project Manager.** KCI was retained by FDOT District 4 to design the reconstructed portion of SR A1A from Sunrise Boulevard to NE 18th Street. KCI designed and prepared construction plans for the landscape, irrigation, and hardscape. While most of the landscape improvements are in the newly constructed median, KCI also made improvements to the east sidewalk along the beach. The streetscape design lined SR A1A with stately palms placed in landscaped medians. The palms were spaced closely for dramatic visual impact, and the wide sidewalks allowed for comfortable pedestrian passage. Coastal-appropriate plant species were installed within plant beds throughout the project. KCI performed post-design services, reviewing plant layouts and plant quality to confirm a quality product. KCI continued to assist the department in monitoring throughout the establishment period.

Florida Department of Transportation, Alligator Alley—Broward County, FL. **Project Manager.** This project involved landscape assessment, landscape design, and landscape CEI for four recreational areas along Alligator Alley. Project details included excavation, adding clean fill for successful planting, and creating unique themes for each of the northbound and southbound recreational areas. The landscape themes were inspired by the newly proposed wetland education area at the nearby rest stop and included hardwood hammocks and Pine Rockland.

City of Doral, Doral Boulevard Landscape, Lighting, and Irrigation Improvements (HEFT to NW 97 Avenue) - Doral, FL. **Project Manager.** KCI provided site analysis, tree relocation plans, landscape and irrigation plans, and specifications for the beautification of a commercial corridor. FDOT standards were applied to a county facility. Mr. Hoosac oversaw the landscape quality control, construction documents, and tree relocation/tree disposition plans for the proposed median landscape and irrigation design, with post-design services and landscape CEI.

City of Doral, Doral Boulevard Median Landscape Improvements (NW 97 Avenue to SR 826) - Doral, FL. **Project Manager.** KCI is providing landscape CEI, quality control, construction documentation, and tree relocation/tree disposition plans for the proposed median landscape and irrigation design improvements.

Florida Department of Transportation, SR 679/Bayway Landscape Rehabilitation from Madonna Boulevard to SR 682 - Pinellas County, FL. **Project Manager**. The design concept for this area was to buffer the highway from adjacent residential areas and enhance a newly completed median and roundabout to provide additional traffic calming measures. This landscape design enhances a heavily used pedestrian-friendly corridor that leads to Fort Desoto Park. The design was also developed with the Department's standard maintenance practices in mind, providing continuous mowing access between the tree groupings.

Florida Department of Transportation, US 98 Roundabout at Trilby Road - Pasco County, FL. **Project Manager.** This project involved landscape and irrigation design for a large volume roundabout and approaches at Trilby Road, which served as a traffic-calming safety improvement project.

Florida Department of Transportation, I-75 at Fowler Interchange - Hillsborough County, FL. **Project Manager.** This was a stand-alone landscape project on the southeast quadrant of the interchange, including land sculpting to provide visual interest at the large flat clearing. The landscape theme shows the different ecosystems of Florida taking advantage of the modified terrain, which also includes some decorative gabion walls and rip-rap design features.

Florida Department of Transportation, Andrews Avenue Extension - Segment 5 - Pompano Beach, FL. **Senior Landscape Architect.** KCI was the lead design consultant tasked with the development of complete construction plans and specifications. Andrews Avenue was reconstructed as a divided four-lane urban typical section and required significant right-of-way acquisition. The project was constructed between SW 3rd Street and Atlantic Boulevard in Pompano Beach, FL, and included upgrading the signalized intersection at SW 3rd Street, ADA ramp improvements, sidewalk construction, drainage improvements, signing and pavement marking, utility coordination, permitting, and landscape design.

Paulette Summers

Public Involvement

Media Relations Group, LLC

Mrs. Summers has 26 years of experience specializing in public involvement, facilitation services, public relations, media relations, social media and marketing services. She has successfully led or supported the public involvement efforts on countless projects, overseeing public involvement plans and community awareness campaigns for numerous agencies throughout Florida. Over the past 13 years with Media Relations Group, LLC (MRG), she has demonstrated strong public involvement, problem-solving, organizational and graphic design skills, coupled with her innate ability to build positive relationships with colleagues, clients, media, partners, community members and stakeholders.

Mrs. Summers has the unique position of leading the public involvement efforts on concurrent outreach campaigns and design and construction contracts for the Florida Department of Transportation (FDOT), District 6 and District 4 while most recently working on the City of Fort Lauderdale Melrose Manors and Riverland Neighborhood Stormwater Improvements project. The experience garnered has enabled her to meet the needs of this contract.

Select Project Experience Includes:

2023 – Present – City of Fort Lauderdale, Melrose Manors and Riverland Neighborhood Stormwater Improvements, Broward County, Florida – Mrs. Summers provided public involvement support as part of the outreach efforts related to this stormwater improvement project, where the City of Fort Lauderdale is in the process of designing drainage infrastructure for the Melrose Manors and Riverland Civic Associations to significantly reduce the duration and intensity of flooding events within these communities. During a June 2023 public meeting, she assisted the project team with greeting members of the associations, City Staff and agency officials, as well as the dissemination of project materials. *Reference: Juan Carlos Samuel, Project Manager, 954.828.6323, Project Role: Community Outreach Specialist/Graphic Designer*

09/2019 – 11/2019 – FDOT District Six Key West (North Roosevelt Boulevard) PHB (formerly known as HAWK) Beacon Educational Campaign Initiative (Construction Phase), Monroe County, Florida – MRG was contracted to assist FDOT District Six in its efforts to inform the public of the Key West PHB Beacons. Five PHBs were installed and activated at the existing mid-block crossings along North Roosevelt Boulevard. MRG lead staff was responsible for educating drivers, pedestrians and cyclists on how to effectively use the PHB with the distributing of flyers. The educational outreach efforts conducted were to ensure that all users are well-informed about the benefits of these devices as well as how they work. Mrs. Summers was the Lead COS on this contract. *Reference: Rodolfo Roman, Public Information Project Coordinator, 305.640.7437 Project Role: Asst. Community Outreach Specialist*

01/2018 – 03/2018 – FDOT District Six North Roosevelt PHB (formerly known as HAWK) City-Wide Design Project, Monroe County, Florida – Mrs. Summers was the Lead Community Outreach Specialist responsible for all the public involvement efforts

PROFESSIONAL CREDENTIALS

Bachelor of Administration, Major: International Business, Minor: Marketing and Management; Florida International University - 2003

BASIS FOR TEAM SELECTION

Currently assigned to major District Six DW contracts, including the Monroe County Design and Construction Projects

26 years of extensive public relations and marketing experience, including media outreach throughout numerous municipalities including the City of Fort Lauderdale

Demonstrates strong public involvement, problem-solving, organizational skills coupled with her innate ability to build positive strategic alliances, through business partnerships and community members

OFFICE LOCATION

Miami, Florida

related to this city-wide contract, which ran along US1/North Roosevelt Boulevard, a main artery in the City of Key West. She worked closely with the FDOT assigned Project Manager, District Six, Communications Manager, and Infinite Source Communications Manager, to ensure that stringent deadlines were met, with this fast-tracked project. *Reference: Infinite Source Communications, Monica Diaz, 305.573.0089, Project Role: Community Outreach Specialist/Graphic Designer*

2020 – Present – Broward MPO Quick Build Program – Complete Streets Initiative, Broward County, Florida – MRG provides professional technical services in support of developing the Broward MPO's inaugural Tactical Urbanism/Quick Build Program. *Reference: Maurene S. Balmaseda, 954.235.8407 Project Role: Community Outreach Specialist*

2015 – 2024 – FDOT District Six Districtwide Communication Programs and Special Projects – Traffic Operations, Miami-Dade and Monroe Counties, Florida – Mrs. Summers assisted the Lead Community Outreach Specialist on this multi-layered District Six contract, which includes multiple local outreach campaign plans encompassing both Miami-Dade and Monroe Counties. *Cynthia Turcios, FDOT Communications Specialist, 305.470.5225. Project Role: Community Outreach Specialist*

2014 - City of Homestead Solid Waste Route Study, Miami-Dade, Florida – Mrs. Summers assisted Lead Public Information Officer with PI tasks on the new solid waste pickup routes within the City of Homestead and prepared materials to be handed to the client and staffed an informational hotline about the new routes, making herself available to answer any questions regarding the routes from residents. *Reference: Mr. Julio A. Brea Director of Public Works and Engineering, 305.224.4405. Project Role: Community Outreach Specialist*

04/2015 – 12/2015 – City of Miami/MD-WASD Design-Build Services for Replacement of Water Mains and Service Conversions in the Shenandoah Area (Phase A), Miami-Dade County, Florida – Mrs. Summers assisted the Sr. Public Information officer for this project. She was responsible for communicating construction information to the residents of the City of Miami and the Shenandoah Community, by developing project-related informational materials (bilingual project fact sheet, construction alerts and e-blasts), planning organizing and attending special events and meetings to ensure that the affected stakeholders are kept informed of any project updates or construction developments. Reference: *Project Manager: Adriana P. Lamar, MDWASD, 786.552.8087. Project Role: Community Outreach Specialist*

Deborah Souverain

Public Involvement

Media Relations Group, LLC

PROFESSIONAL CREDENTIALS

BS in Journalism & Mass Communication, Florida International University, Miami | April 2012

BS in Political Science, Florida International University, Miami | April 2012

BASIS FOR TEAM SELECTION

Over 12 years of Media and Public Relations experience

Content creation and curation across multiple platforms. Skilled in media coverage and communication strategies in addition to digital marketing campaigns

Leverages AI for data-driven analysis and insights, incorporating response strategies for clear and effective communication

Skilled in social media, writing, and video editing for content creation

Recently supported multiple summits and foundation events including the Claude Pepper Annual Awards

Deborah Souverain is a Communications Specialist with over 12 years of experience in media and public relations. She excels at developing strategic communications plans that foster stakeholder engagement and enhance project messaging. With a strong proficiency in Ai and data analytics, she has successfully driven media campaigns that achieve substantial audience growth. Passionate about innovative storytelling and fostering cross-functional collaboration, Deborah has demonstrated her ability to elevate communication strategies and implement those goals. Her experience leading social media initiatives has notably increased audience engagement across various television news outlets in the Midwest and Southwest Florida. During her time at MRG, Ms. Souverain has actively prepared for and attended numerous Florida Department of Transportation (FDOT) and Broward MPO public meetings across Broward, Indian River and Martin counties, further solidifying her public engagement experience. *SELECT PROJECT EXPERIENCE INCLUDES:*

2025 – FDOT District 4 County Road (CR) 713/SW High Meadow Avenue from Interstate 95 (I-95) to County Road 714/SW Martin Highway Project Development and Environment (PD&E) Study, Martin County, Florida – Ms. Souverain assisted the lead Community Outreach Specialist for this study where she staffed a Public Hearing in May 2025. Tasks included preparing meeting materials, managing the sign-in desk, taking photographs and documenting public comments for the public involvement record. *Reference: Paul Carballo, Metric Engineering, Project Manager, 305.773.1492. Project Role: Community Outreach Specialist*

2025 – FDOT District 4 County Road (CR) 510 from 58th Avenue to east of State Road (SR) 5/US 1 Project Development and Environment (PD&E) Study, Indian River County, Florida– Ms. Souverain assisted the lead Community Outreach Specialist for this project where she staffed a Public Hearing in May 2025. Her duties included preparing meeting materials, managing the sign-in desk, taking photographs and documenting public comments for the public involvement record. *Reference: Julieta Rivero-Manso, Hanson Professional Services, Inc., 305.608.3605. Project Role: Community Outreach Specialist*

2025 – Broward Metropolitan Planning Organization (BMPO) General Planning Consultant Services (GPC) TWO 24, Fort Lauderdale Roadway-Railroad Underpass Feasibility Study – Ms. Souverain was tasked with preparing and drafting the Public Participation Plan (PPP) for this study. Other duties include attending monthly progress meetings and assisting with the coordination of upcoming public meetings and stakeholder outreach. *Reference: Stewart Robertson, P.E., Kimley-Horn, 954.535.5104. Project Role: Community Outreach Specialist*

2025 – Broward Metropolitan Planning Organization (BMPO) and City of Weston Lets Go Biking Event, Broward County, Florida – Ms. Souverain staffed the Let's Go Biking Event and assisted with event set-up and breakdown, managed the sign-in desk, and assisted attendees with event questions or concerns. *Reference: Kerrie MacNeil, Planning and Programming Senior Planner, BMPO, 954.876.0072. Project Role: Community Outreach Specialist*

2024 – April 2025 – Miami-Dade County Department of Transportation and Public Works, Miami-Dade County, Florida – Ms. Souverain drafted and curated content for DTPW's award-winning weekly newsletter, delivering key updates to County employees and external subscribers. Lead public relations campaigns and media strategies, fostering strong relationships with journalists and stakeholders while

managing crisis communications. She developed speeches for County Officials and craft tailored talking points for public events, forums, and media interviews to ensure clear, impactful communication. Deborah monitored media coverage and analyzed public sentiment to shape communication strategies and optimize message effectiveness. Coordinated with cross-functional teams to align messaging, ensure consistent communication, and strengthen departmental reputation. Project *Role: Media and Public Relations Officer*

2023 – 2024 – Mims, Tallahassee, Florida – Ms. Souverain developed and executed robust communication strategies that leveraged AI tools and innovative content approaches, resulting in a 40% increase in online sales and a 25% boost in social media engagement over two quarters. She integrated audio and video expertise into content strategies, enhancing engagement and reaching across social media platforms. She also orchestrated high-impact digital marketing campaigns, including SEO optimization and targeted email initiatives, leveraging AI for data-driven insights and achieving significant customer acquisition growth within the e-commerce sector. Deborah utilized data analytics tools to analyze campaign performance and optimize content strategies for maximum impact. Led crisis communications efforts with a proactive approach, employing AI tools for rapid media monitoring and response strategies, thereby safeguarding brand reputation during challenging periods. She collaborated cross-functionally with marketing, product development, and business teams to align communication efforts with organizational objectives, fostering cohesive teamwork and strategic alignment. Project *Role: E-commerce Operations Manager*

2021 – 2022 – CBS News, Miami-Dade County, Florida – Ms. Souverain produced and edited compelling news content under tight deadlines, enhancing storytelling and engaging a global audience with insightful reporting on geopolitical events. She utilized data analytics and social media insights to drive a 24% increase in traffic to CBS Miami's streaming website, implementing digital strategies that resonate with diverse viewer demographics. Deborah conducted in-depth interviews with industry leaders and subject matter experts. Project *Role: Multimedia Journalist*

2018 – 2020 – Spectrum News, Orlando, Orange County, Florida – Ms. Souverain produced and reported on high-impact news segments, ensuring factual accuracy and timely delivery, boosting viewership by 15%. She conducted in-depth research and analysis for investigative reports, uncovering critical information and providing insightful news coverage. She utilized data-driven insights to tailor news content, resulting in a 10% improvement in audience retention. Generated compelling multimedia content, driving a 20% increase in social media engagement and broadening audience reach. *Project Role: Multimedia Reporter*

2016 – 2018 – Fox News – WFTX, Cape Coral – Ms. Souverain spearheaded social media strategies that increased audience engagement by 15%, utilizing data-driven content creation to amplify brand presence and viewership for live TV broadcasts. She produced investigative reports that uncovered critical environmental and governance issues, driving public awareness and fostering accountability within local communities. She reported live from various locations, delivering real-time updates and analysis on breaking news stories, demonstrating adaptability and strong on-air presence. *Project Role: Multimedia Journalist*

2014 – 2016 – KCAU Sioux City News, Sioux City, Iowa – Ms. Souverain anchored weekend news programs with a focus on delivering insightful coverage of key political events and their impact on public perception and policy. She conducted exclusive interviews with political figures and experts, providing in-depth analysis of complex issues and fostering informed public discourse. She also synthesized complex data

Melany Rodriguez

Public Involvement

Media Relations Group, LLC

PROFESSIONAL CREDENTIALS

AS Graphic Design Technology, Miami Dade College, Miami, FL - 2021

Adobe Certified Associate, Graphic Design & Illustration using Adobe Illustrator - 2020

BASIS FOR TEAM SELECTION

Assists senior staff in producing public meeting materials

Highly skilled in Adobe Creative Cloud Software and Microsoft Office 365 Suite

Photo editing, developing graphics for print and web; brand design & development

Bilingual (English/Spanish)

OFFICE LOCATION

Miami, Florida

Melany Rodriguez is a creative and skilled graphic designer with six years of experience, previously designing for FranklinCovey, Brighter Messaging, and freelance clients across a range of industries. She has demonstrated success in collaborative environments and supporting design teams in executing effective marketing collaterals. Currently, she works on Media Relations Group, LLC (MRG)'s website, social media, and marketing materials, where she assists the Creative Services Manager and Senior Graphic Designer with transportation and infrastructure-related print and digital materials, bilingual content, and social media campaigns across multiple platforms.

In her work on the Miami-Dade County Vision Zero Initiative, Melany assists the lead designer in creating social media content, informational materials such as the project fact sheets, and outreach presentation graphics to support public engagement. She plays a crucial role in social media monitoring and content planning, ensuring consistent communication. Additionally, she supported the branding and educational materials for the Broward MPO Transportation Academy's 2024 class, enhancing its launch and outreach efforts. *SELECT PROJECT EXPERIENCE INCLUDES:*

2025 – Broward Metropolitan Planning Organization (MPO) Let's Go Biking! For Families, Broward County, Florida – Ms. Rodriguez assisted MRG's lead graphic designer in designing and developing print and digital materials for the Broward MPO *Let's Go Biking! For Families,* an annual event that took place in the City of Weston. Her responsibilities included creating marketing and informational print and digital outreach materials, including flyers and posters. She created social media posts and content prior to the event for engaging communication across different platforms. Ms. Rodriguez also assisted in developing directional and educational signage. *Reference: Amy Vargas, The Whitehouse Group, 512.983.3076. Project Role: Graphic Designer*

2023 – Present – Broward Metropolitan Planning Organization (MPO) Transportation Academy, Broward County, Florida – Ms. Rodriguez assisted the lead graphic designer in developing educational print and digital materials for the launch of the Broward MPO Transportation Academy. Her responsibilities included creating an interactive presentation for each module of the academy, as well as designing printed booklets featuring informational materials on transportation planning education topics. She supported the production of these materials, which were essential for both in-person and digital learning. *Reference: Amy Vargas, The Whitehouse Group, 512.983.3076. Project Role: Graphic Designer*

2022 – Present – FDOT District Four Continuing Services Contract (CSC), Broward and Palm Beach Counties, Florida – Ms. Rodriguez assisted MRG's lead graphic designer on public involvement efforts in preparation for public outreach meetings for several design projects. She has created numerous project location maps, public meeting collaterals and designed custom meeting directional and information boards for use at these meetings. Projects included:

- SR 814 Atlantic Boulevard from NW 27 Avenue to NE 16 Avenue

Reference: Carlos Alcantara, P.E., BCC Engineering, 954.298.2246

- SR 804/Boynton Beach Boulevard from US 441 to Lyons Road
- SR-804/Boynton Beach Blvd from N Congress Ave to NW 8th St
- SR 5/US 441 At Royal Palm Blvd and Copans Rd Intersection

Reference: Eithel Sierra, P.E., CHA Company, 786.257.3118

2024 – Present – FDOT District Two RTMC Traffic Information & Reporting Software (TIReS) Software Branding, Miami-Dade County, Florida *– In 2024, MRG was contracted by FDOT District Two's Regional Transportation Management Center to develop a logo and brand guidelines for a new traffic reporting software, TIReS, which allows users to easily view traffic conditions in both real-time and historical contexts. Ms. Rodriguez assisted in developing several logo concepts, iconography, and a comprehensive brand guidelines document for future design reference. Reference: Penny Kamish, P.E., Metric Engineering, 904.993.9281. Project Role: Graphic Designer*

2023 – Present – Miami-Dade County Vision Zero Initiative, Miami-Dade County, Florida – Miami-Dade County has committed to eliminating traffic deaths and serious injuries within their transportation network by 2040 through the Vision Zero Program. MRG is leading the public engagement efforts for this life-saving initiative, which includes developing the project fact sheet, website, and outreach materials for underserved communities. Ms. Rodriguez assists the lead designer in creating social media content, informational materials such as the project fact sheet, and outreach presentation graphics. She supports tasks like social media monitoring, messaging, and content planning, ensuring consistent and engaging communication throughout the initiative. *Reference: Miami-Dade County Project Manager, Paola Baez, 305.469.5204. Project Role: Graphic Designer*

2022 – Present – FDOT District Six SR 934/NE 79 Street Project Development and Environment (PD&E) Study, Miami-Dade County, Florida – In 2022, MRG was contracted by the FDOT to conduct a PD&E Study for the SR 934/NE 79 Street (John F. Kennedy Causeway) from west of Pelican Harbor Drive to east of Adventure Avenue, located in the Cities of Miami and North Bay Village. Ms. Rodriguez provided graphic design services for an alternatives public meeting, which included design, layout and formatting of a trilingual (English/Spanish/Creole) informational handout which was disseminated to all attendees. *Reference: Steven Schnell, P.E., HDR Engineering, 904.228.7715*

2022 – Present – FDOT District Six I-195/State Road (SR) 112/Julia Tuttle Causeway from NW 12 Avenue to SR 907/Alton Road Project Development and Environment (PD&E) Study, Miami-Dade County, Florida – In 2022, MRG was contracted by the FDOT to conduct a PD&E Study for the SR 934/NE 79 Street (John F. Kennedy Causeway) from west of Pelican Harbor Drive to east of Adventure Avenue. Ms. Rodriguez assisted MRG's Senior Graphic Designer with designing and developing social media graphic-led posts to keep the community engaged. *Reference: Robert Linares, P.E., Metric Engineering, 305.968.7843*

HBC Engineering Company's - Personnel Licensure

Ron DeSantis, Governor

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LUGO, HERNAN A.
112 GABLES BLVD
WESTON FL 33326

LICENSE NUMBER: PE74961
EXPIRATION DATE: FEBRUARY 28, 2027
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This Certifies that
HERNAN A. LUGO

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Advanced Course.

Date Expires: 04/14/2026 **Certificate #** 84421
Instructor: Jorge Goyanes **FDOT Provider #** 215

Encobridge, Inc.
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LICENSEE DETAILS *9:38:48 AM 6/3/2025*

Licensee Information

Name:	LUGO, HERNAN A (Primary Name)
	H L PROJECTS & CONSTRUCTION, LLC (DBA Name)
Main Address:	112 GABLES BLVD WESTON Florida 33326
County:	BROWARD

License Information

License Type:	Certified Building Contractor
Rank:	Cert Building
License Number:	CBC1260661
Status:	Current,Active
Licensure Date:	09/16/2015
Expires:	08/31/2026

Special Qualifications	Qualification Effective
Construction Business	09/16/2015

Alternate Names

ASFPM
ASSOCIATION OF STATE FLOODPLAIN MANAGERS

Lugo, Hernan US-15-08248, Weston

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

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COKER, ADEBAYO T.
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CUTLER BAY FL 33157

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This Certifies that
ADEBAYO COKER

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Advanced (Refresher) Course.

Date Expires: 03/21/2026 **Certificate #** 83354
Instructor: Jorge Goyanes **FDOT Provider #** 215

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DIAZ, EDGARDO
13565 SW 109 CT
MIAMI FL 33176

LICENSE NUMBER: PE50728
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Certificate of Completion

EDGARDO DIAZ

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Advanced Course.

03/20/2024	215	Jorge Goyanes	61698
Date Expires	FDOT Provider #	Instructor	Certificate #

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For more information about Temporary Traffic Control (TTC) or to verify this certificate
www.motadmin.com

OEC1030-7046528

CERTIFICATE OF COMPLETION

OSHA EDUCATION CENTER

American Safety Council

Edgardo Diaz

Has diligently and with merit completed a
30-Hour OSHA Hazard Recognition Training for the Construction Industry
on 12/15/2017
from the OSHA Education Center and the American Safety Council Inc.

Director: Jeffrey Pairan

Florida Board of
Professional Surveyors and Mappers
FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
WILTON SIMPSON, COMMISSIONER

This is to certify that

EDGARDO DIAZ

has furnished satisfactory evidence of attainments and qualifications, and has complied with all of Chapter 472, Florida Statutes, and is hereby duly licensed as a

Professional Surveyor and Mapper

In conformity with an act of the Legislature of the state of Florida, creating and regulating that profession.

License Number: LS7484
Licensed Date: JUNE 2, 2023

WILTON SIMPSON
Commissioner, Florida Department of Agriculture and Consumer Services

DAVID W. SCHRYVER
Chair, Florida Board of Professional Surveyors and Mappers

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

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LOPEZ, JOSE A.
4631 SW 163RD PATH
MIAMI FL 33185

LICENSE NUMBER: PE81014
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This Certifies that
JOSE LOPEZ

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Advanced Course.

Date Expires: 05/28/2025 **Certificate #** 74153
Instructor: Jorge Goyanes **FDOT Provider #** 215

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BUSTAMANTE, CLAUDIA PATRICIA
8935 NW 35TH LANE
SUITE 201
DORAL FL 33172

LICENSE NUMBER: PE87381
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This Certifies that
CLAUDIA BUSTAMANTE

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Advanced (Refresher) Course.

Date Expires: 06/11/2025 **Certificate #** 74522
Instructor: Jorge Goyanes **FDOT Provider #** 215

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Miami, FL 33166
www.encobridge.net
encobridge@gmail.com

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North Carolina Board of Examiners for Engineers and Surveyors

This is to certify that
Moatz E. Saad
is duly licensed and entitled to practice
Engineering
until December 31, 2025 when this certificate expires.
License Number: 056192 Status: CURRENT

Cedric D. Fairbanks, Chair *Vinod K. Goel, Secretary*

CERTIFICATE
OF COMPLETION

MOATZ SAAD

Has Completed a FDOT Approved Temporary Traffic Control (TTC): Advanced Course

Training Provider:

Encobridge, Inc.
7225 NW 25th Street, Suite 100
Miami FL 33166
Phone: 305-364-5272

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11/20/2024	11/15/2028	J G	632512
Issue Date	Expiration Date	Instructor	Certificate No.

FDOT

TPCB

The Transportation Professional Certification Board

Certifies that

Dr. Moatz Saad, P.E., PTOE

successfully renewed the Professional Traffic Operations Engineer® certification

Original Certification Date: 7/9/2024 Certification Valid Through: 7/9/2027

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 5763

IMSA
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Moatz Saad
is hereby certified as a
IMSA Traffic Signal Field Tech II - Renewal
by completing all requirements and examination for certification
on 8/12/2024

Valid thru 8/12/2027
Certification #

Toby Cummings - Executive Director

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BARRERA, GONZALO EDUARDO
8652 SW 208 TERR
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GONZALO BARRERA

Has
Completed a FDOT Approved Temporary Traffic Control (TTC): Advanced - Refresher Course .

Training Provider:
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7225 NW 25th Street, Suite 100
Miami FL 33166
Phone: 305-364-5272

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10/17/2022	10/10/2026	J G	602623
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PENATE, ORLANDO RANYER
12724 NW 6TH LN
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ORLANDO PENATE

Has Completed a FDOT Approved Temporary Traffic Control (TTC): Advanced Course
.

Training Provider:
T2 Centers University of Florida
2100 NE Waldo Road
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Phone: 352-273-1670

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10/19/2024	10/04/2028	J M	631090
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Orlando Penate
is hereby certified as a
IMSA Traffic Signal Field Tech II - Renewal
by completing all requirements and examination for certification
on 7/1/2024

Valid thru 7/1/2027
Certification #BE_131518

Catherine A Wasner
Catherine Wasner - Executive Director

Infraspection Institute®

CERTIFIED INFRARED THERMOGRAPHER
Level-II No. 17022

Orlando Penate

Has satisfactorily completed the Infraspection Institute Level-II training course and Examination in the qualitative theory and application of infrared thermal imaging equipment and is a Level-II Certified Infrared Thermographer. This course meets the requirements for training of Level-II NDT personnel in the Thermal / Infrared Testing Method in accordance with the American Society for Nondestructive Testing document, SNT-TC-1A.

03/15/2024
Date

R. James Seffrin
R. James Seffrin
Director

INFRASPECTION INSTITUTE CERTIFIED INFRARED THERMOGRAPHER

Continuing Education Hours: 32

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FIALLO NUNEZ, MAIKEL
3436 SW 16 TERR.
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MAIKEL FIALLO

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Training Provider:
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02/16/2024	02/06/2028	J G	620316
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NANDIVADA, SREELATHA
9537 LINDEN TREE LN
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HENG, BUNRITH
465 FORESTWAY CIRCLE
UNIT 207
ALTAMONTE SPRINGS FL 32701

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TEFEL, TEODORO J.
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MIAMI FL 33185

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SOTO, CHRISTOPHER F.
4871 NW 101ST AVENUE
CORAL SPRINGS FL 33076

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CHRISTOPHER SOTO

Has Completed a FDOT Approved Temporary Traffic Control (TTC): Advanced Course

Training Provider:

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Miami FL 33166
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04/24/2025	04/12/2029	J G	639903
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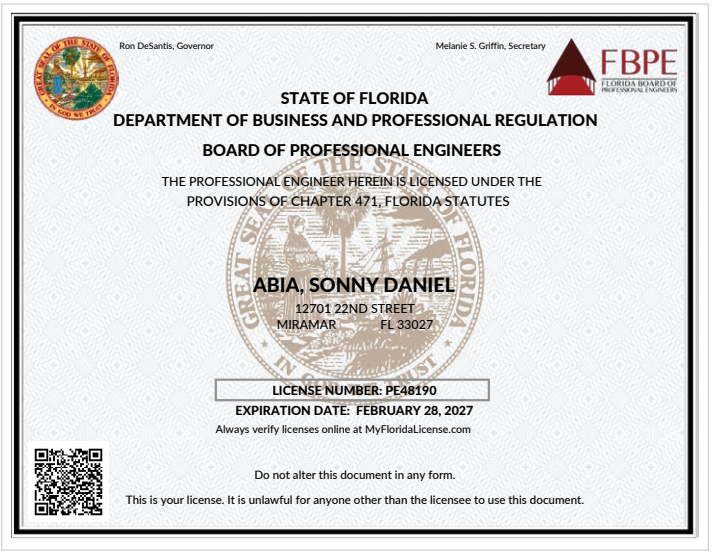

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MIRAMAR FL 33027

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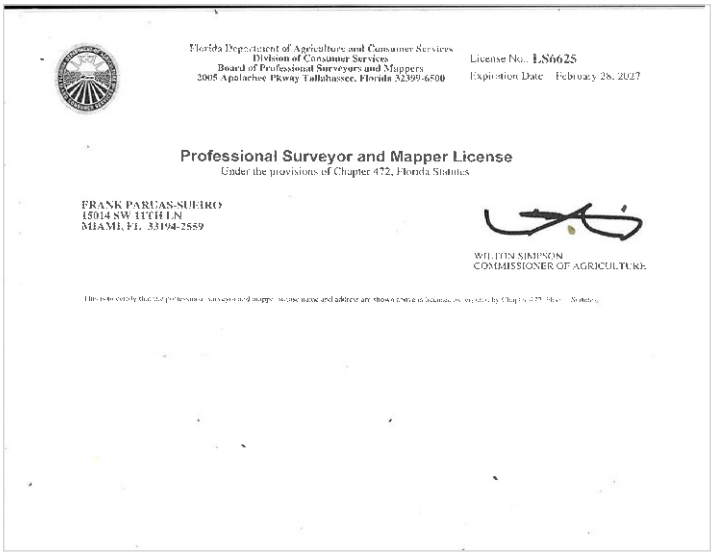

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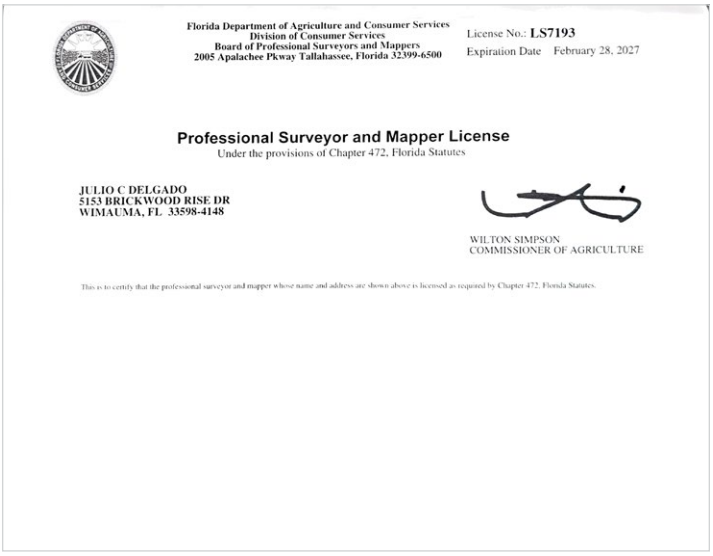
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: LS6625
Expiration Date February 28, 2027

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

FRANK PARUAS-SUERO
15014 SW 11TH LN
MIAMI, FL 33194-2559

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE



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License No.: LS7193
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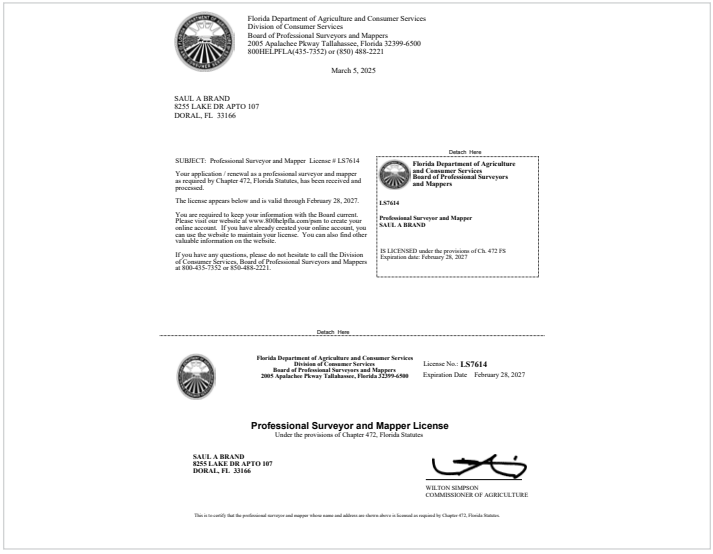
Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

JULIO C DELGADO
5153 BRICKWOOD RISE DR
WIMAUMA, FL 33598-4148

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

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



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500
800HELPFLA(435-7352) or (850) 488-2221

March 5, 2025

SAUL A BRAND
8255 LAKE DR APTO 107
DORAL, FL 33166

SUBJECT: Professional Surveyor and Mapper License # LS7614

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

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

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

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

Detach Here

Florida Department of Agriculture and Consumer Services
Board of Professional Surveyors and Mappers

LS7614

Professional Surveyor and Mapper
SAUL A BRAND

IS LICENSED under the provisions of Ch. 472 FS
Expiration date: February 28, 2027

Detach Here

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: LS7614
Expiration Date February 28, 2027

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

SAUL A BRAND
8255 LAKE DR APTO 107
DORAL, FL 33166

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

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KCI Technologies, Inc. - Personnel Licensure

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF LANDSCAPE ARCHITECTURE

THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

MOHLER, TODD KEENE
4711 NE 13 AVENUE
OAKLAND PARK FL 33334

LICENSE NUMBER: LA0001594
EXPIRATION DATE: NOVEMBER 30, 2025
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ISSUED: 10/31/2023

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Ron DeSantis, Governor

Melanie S. Griffin, Secretary

Florida dbpr

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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF LANDSCAPE ARCHITECTURE

THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

HOOSAC, KIRK PATRICK
4426 NW 20 AVENUE
OAKLAND PARK FL 33309

LICENSE NUMBER: LA6667091
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THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

Florida dbpr Department of Business & Professional Regulation

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LICENSEE DETAILS *11:16:41 AM 7/9/2025*

Licensee Information

Name:	LOCKE, NADIA GUERTIN (Primary Name)
Main Address:	1775 WEST LAS OLAS BLVD. FT LAUDERDALE Florida 333120000
County:	BROWARD
License Mailing:	312 SE 17TH STREET SUITE 200 FORT LAUDERDALE FL 33316
County:	BROWARD

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	58676
Status:	Current,Active
Licensure Date:	06/20/2002
Expires:	02/28/2027

Special Qualifications	Qualification Effective
Environmental	06/20/2002

Alternate Names

View Related License Information
View License Complaint

LEED AP ND

10674023-AP-ND
CREDENTIAL ID

11 JUN 2014
ISSUED

10 JUN 2026
VALID THROUGH

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Nadia Locke

HAS ATTAINED THE DESIGNATION OF

LEED AP® Neighborhood Development

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED ® green building program.

Peter Templeton

PETER TEMPLETON
PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL & GREEN BUSINESS CERTIFICATION INC.

Pacifica Engineering Services, LLC - Personnel Licensure

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

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

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

SPECIAL INSPECTOR NUMBER: 83239

FOSTER, WESLEY CLEMENT
11173 PACIFICA STREET
WELLINGTON FL 33449

LICENSE NUMBER: PE83239
EXPIRATION DATE: FEBRUARY 28, 2027
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

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

VILLA, REINALDO JESUS
12994 SW 133RD STREET
MIAMI FL 33186

LICENSE NUMBER: PE72242
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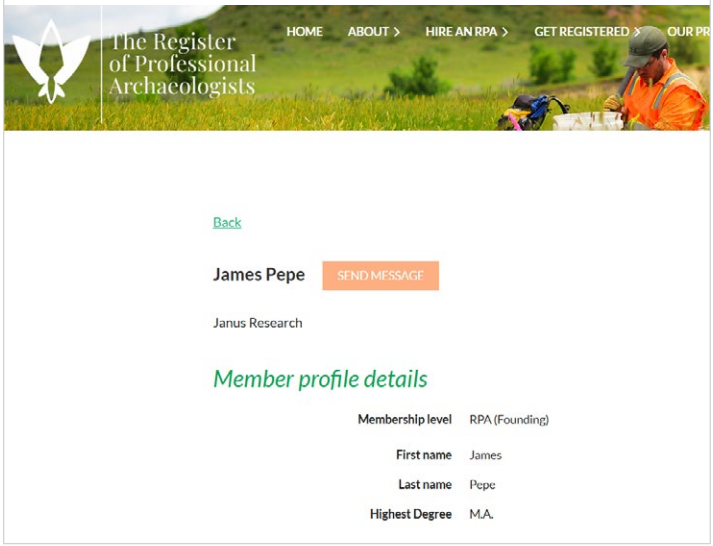



THE
Register of Professional Archaeologists
Kenneth W. Hardin, M.A., RPA
Registered Professional Archaeologist

Tab E

Approach to Scope of Work

E. APPROACH TO SCOPE OF WORK

Provide in concise narrative form your understanding of the City's needs, goals and objectives as they relate to the project as described in the scope of services, and your overall approach to accomplishing the project. Give an overview on your proposed vision, ideas and methodology. Describe your proposed approach to the scope of work. Also provide information on your firm's current workload and how this contract will fit into your workload. Describe available facilities, technological capabilities and other available resources you offer for the project.

Understanding of the City's Needs, Goals, and Objectives and Overall Approach

HBC Engineering Company (HBC) fully understands the City of Hollywood's vision to enhance pedestrian/bicyclist safety, ADA accessibility, and multimodal connectivity within the Sheridan Park and Hollywood Acres neighborhoods while maintaining sensitivity to existing urban infrastructure and community input. This initiative, bounded by Sheridan Street, Taft Street, SR 7/US 441, and N 56 Avenue, is a priority under the Broward MPO's CSLIP program and funded through the FDOT Local Agency Program (LAP). The City's goals extend beyond regulatory compliance. They emphasize context sensitive design, integration with existing infrastructure, and responsiveness to community input. HBC's approach is rooted in a phased, field-informed methodology that prioritizes constructability, stakeholder coordination, and regulatory clarity. Our team is committed to delivering a sidewalk network that is not only ADA compliant but also enhances the character and functionality of the neighborhood

HBC fully understands that the City's objectives go beyond compliance. They encompass a commitment to context sensitive design and conformance with FDOT LAP, Florida Greenbook, and Broward County standards. Our approach embraces these goals with a field informed, phased methodology that ensures community alignment, regulatory clarity, and constructability throughout design development.

The City's goals include:

- Improving walkability and ADA access near schools and residential corridors.
- Construct a continuous and compliant sidewalk network that fills existing gaps, replaces deteriorated sections, and mitigates recurring access and drainage issues.
- Complying with LAP design, documentation, and permitting requirements.
- Integrating public feedback and minimizing community disruption.
- Coordinating proactively with utility agencies and permitting authorities.

Our team's previous experience with the Hollywood Gardens LAP project and multiple Safe Routes to School programs has equipped us to manage the environmental screening, public outreach, stormwater permitting, and stakeholder coordination that this project demands. We understand the nuances of balancing right-of-way (ROW) constraints, utility conflicts, and landscape preservation, particularly in corridors with decorative driveways, planter encroachments, and mature tree canopies.

HBC understands that the City of Hollywood (City) seeks qualified consultants to design a new sidewalk network that ensures ADA compliance, integrates complete streets principles, and adheres LAP standards. The City's objectives include enhancing pedestrian safety, closing sidewalk network gaps, a new shared use path along North 58 Avenue to be integrated with the pedestrian network, and improving neighborhood connectivity and mobility.

Overview of Proposed Vision, Ideas, and Methodology

Our vision centers on the creation of an inclusive, context sensitive sidewalk system that reflects the priorities of safety, sustainability, and community equity. HBC's methodology is structured around phased plan development, stakeholder coordination, and technical compliance. Key elements include:

- **Complete Streets Principles:** Contextual geometric design, pedestrian/bicyclist improvements, and transit adjacent accommodations per FDOT's Complete Streets Handbook.
- **Field Based Decision Making:** Each corridor will be assessed block-by-block, leveraging our understanding of community needs and ROW conditions. Conflicts from trees, driveways, and utilities will be resolved through sidewalk alignments meandering or taper to preserve landscape features and minimize impacts, use of root barriers, or, where necessary, Flexi-Pave alternatives in the critical root zone (CRZ).
- **Drainage Integration:** Compensatory stormwater strategies will be implemented in accordance with Broward County's ERP/SWML thresholds. These include French drains, swale regrading, inlet elevation adjustments, and sidewalk elevation management—raising back-of-walk where needed to promote positive drainage.
- **ADA and Safety Compliance:** All ramps and crossings will meet PROWAG and ADAAG standards, including installation of truncated domes and minimum clear width adherence across all corridors, relocated stop bars where needed.
- **Public Engagement:** Property owner meetings and workshop coordination will be embedded throughout the design process to ensure public buy-in and mitigate impact to private features.
- **Phased Plan Development:** Our structured submittal process (30/60/90/100%) will include cost estimates, quantity takeoffs, and comment-response matrices in ERC. Each stage ensures that plans are LAP compliant, cost efficient, and bid ready.
- **Simplified Solutions for Constrained Areas:** Where ROW constraints exist, HBC may recommend single sided sidewalk construction as a viable and cost-effective solution. This strategy was previously endorsed by the City of Hollywood in constrained residential corridors.

Approach to Scope of Work

HBC Engineering Company (HBC) presents a comprehensive and disciplined approach to the design of the Sheridan Park and Hollywood Acres LAP Sidewalk Improvement Project. Our methodology integrates the City of Hollywood's objectives with FDOT Local Agency Program (LAP) requirements, informed by the FDOT Complete Streets Handbook, addressing technical, environmental, and community specific challenges to ensure a successful, constructible, and community supported project delivered within the designated budget and schedule.

Our proposed approach is informed by the successful delivery of similar LAP-funded projects, including the 7.5-mile Hollywood Gardens Sidewalk Project (FDOT D4, FPID 434679-1-52-01) and multiple Safe Routes to School initiatives in both Broward and Miami-Dade County Public Schools. These projects, completed on time and within budget, under comparable regulatory and site constraints, exemplify our proven ability to navigate complex project conditions and deliver effective results. This relevant experience directly informs our development of practical and cost effective strategies for addressing sidewalk gap closures, implementing ADA compliant upgrades, coordinating with utility agencies, designing minor drainage improvements, and engaging with key stakeholders. Our team's phased, data-driven methodology incorporates environmental screening, utility conflict resolution, robust constructability reviews, and public information meetings to ensure technically sound, context sensitive, and publicly supported design solutions.

HBC's approach is centered on delivering comprehensive, ADA compliant sidewalk design solutions that are responsive to community needs, sensitive to environmental constraints, and aligned with the City's budgetary objectives. Our team applies a phased, data driven methodology that emphasizes early and ongoing stakeholder engagement, environmental screening, resolution of utility conflicts, integration of minor drainage improvements, and constructability reviews. Public information meetings are strategically incorporated throughout the project timeline to ensure transparency and community support. Drawing upon successful delivery of LAP funded projects including the Hollywood Gardens Sidewalk and Safe Routes to School Programs for BCPS and MDCPS, we bring proven strategies and a deep understanding of LAP compliance, site specific coordination, and local agency expectations.

This project, funded by the Broward Metropolitan Planning Organization (MPO), involves the design of sidewalk improvements to close existing gaps and replace damaged sidewalks. The project scope includes construction of ADA compliant ramps and installation of detectable warning surfaces across multiple streets within the Sheridan Park and Hollywood Acres neighborhoods which are bounded by Sheridan Street on the north, SR 7/US 441 on the west, Taft Street on the south, and N 56 Avenue on the east. Given the urban context, coordination with utility owners, removal of conflicting vegetation, implementation of minor drainage features, and facilitation of public outreach will be critical to successful project delivery.

In preparation for this effort, HBC conducted a field reconnaissance of the project area, interviewed local residents and MPO staff, and reviewed key documentation including right-of-way maps, City of Hollywood Design Standards, Broward MPO Complete Streets and Localized Initiatives Program (CSLIP) guidelines, utility plans for water, sewer, and stormwater infrastructure, and the FM 429576-9 Shared Use Path Improvement Project along Taft Street. These efforts inform our understanding of the site constraints, community priorities, and agency coordination requirements necessary to advance a technically sound and publicly supported design.

The key drivers of the project are to provide new sidewalks and a shared use path that are ADA compliant, and ensure proper connectivity, safety, and ease of use for pedestrians/cyclists in the neighborhoods.

Challenges that have been identified on the project include:

1. Additional stormwater treatment requirement because of an increase of impervious sidewalk surface
2. Utility conflicts
3. Conflicting trees
4. Abutting properties with decorative driveway features, unauthorized parking, mailboxes, irrigation, and/or landscape planters that must be coordinated during the design, which may require license agreements or easements

Approach to Project Delivery

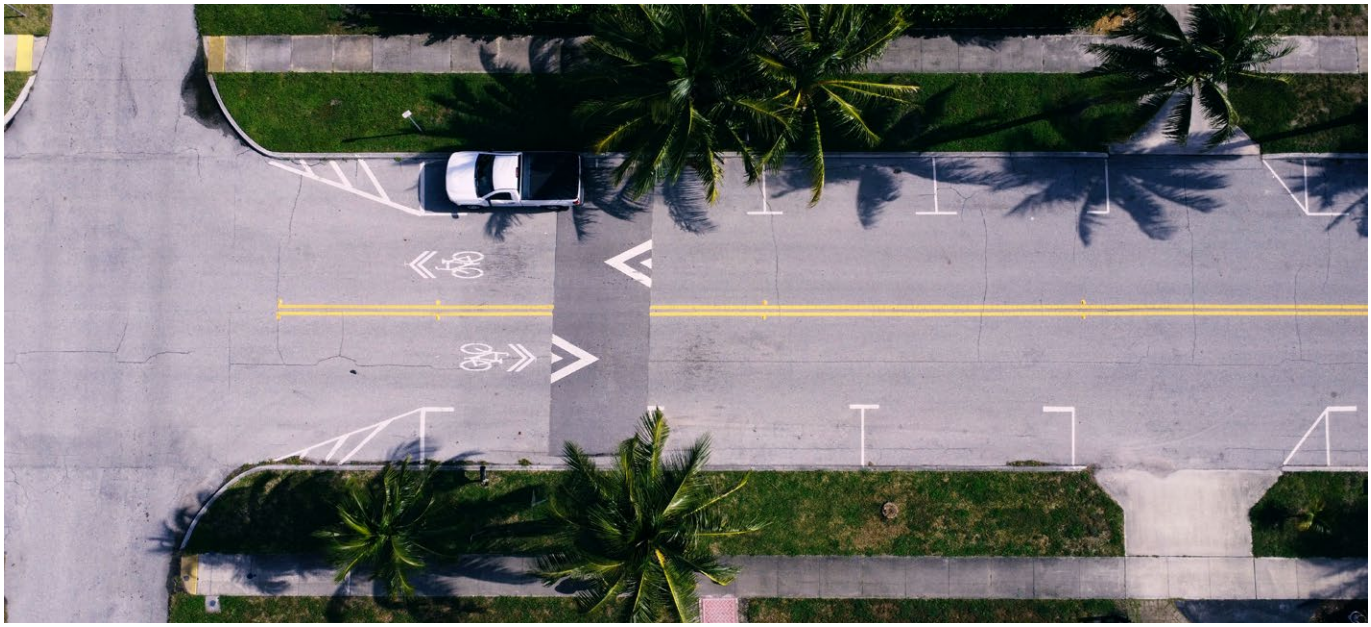


Upon Notice to Proceed, HBC will initiate the project with a kickoff meeting involving City staff, FDOT LAP coordinators, and key stakeholders to align on scope, expectations, and schedule. Our delivery model follows FDOT LAP protocols and consists of six major phases: initial project setup, survey and mapping, environmental clearance, design and constructability submittals, final plan production, and bid/construction support. Each phase is governed by internal QA/QC procedures that adhere to FDOT FDM Chapters 124 and 125, ensuring compliance, coordination, and clarity throughout plan development. HBC's project manager and senior engineers will oversee milestone completion, public involvement activities, and coordination with external agencies such as Broward County, utility owners, and MPO representatives. All design elements will be developed using FDOT CADD standards, with regular digital submittals through the Electronic Review Comments (ERC) system. Monthly updates and workshop sessions with City staff will be scheduled to ensure early resolution of comments and alignment with City priorities. Constructability and stakeholder acceptance are key drivers of our delivery methodology.

Task 1: Initial Phase Submission

HBC's approach to the initial phase of the project is designed to establish a strong foundation for successful execution through proactive coordination, detailed field reconnaissance, and compliance with applicable regulatory standards. At project initiation, our team will begin submitting monthly progress reports via the City of Hollywood's preferred method (email, letter, or fax) and will participate in all required meetings, including four in-person meetings and biweekly progress reviews, to ensure consistent communication and alignment with project milestones.

Task 1 will formally launch the project lifecycle and guide all subsequent phases. HBC will coordinate a comprehensive kickoff meeting with City staff and key stakeholders to review project goals, confirm project limits, and finalize communication protocols. Concurrently, our field teams, comprising surveyors and design engineers, will conduct a visual field review of the project sites to document existing physical and



environmental features. This reconnaissance will focus on identifying typical and constrained conditions that may influence design and will support the development of project documentation in accordance with FDOT LAP Manual Chapters 17 through 19.

Particular attention will be given to:

- Decorative and encroaching features such as fences, driveways, planters, and mailboxes;
- Existing tree canopies and root zones that may affect alignment or constructability;
- Surface ponding or known drainage deficiencies requiring engineering controls;
- ADA ramp non-compliance, missing detectable warning surfaces, or excessive cross slopes.

These observations will inform the development of a sidewalk condition inventory and a prioritization matrix to guide conceptual design, repair scope, and cost allocations. The kickoff process will also include verification of survey control points, confirmation of available base data, and identification of priority sidewalk segments for evaluation. Field documentation will support early identification of ADA compliance issues, visible drainage concerns, and utility presence, all of which are critical to preliminary alignment planning. Monthly progress updates and biweekly coordination meetings virtual or in-person will be initiated during this phase to maintain momentum and ensure stakeholder engagement.

Task 2: Topographic Survey

To support the design of ADA compliant sidewalks and shared use path, HBC will perform a comprehensive topographic survey in full compliance with FDOT and LAP standards. Our approach begins with the establishment of horizontal and vertical control using GPS and conventional survey methods to ensure spatial accuracy across the project corridor. The survey will focus on mapping all visible improvements within the public right-of-way, identifying trees greater than 4 inches in diameter, and collecting sufficient elevation data to generate a high-resolution Digital Terrain Model (DTM) and 100-foot interval cross sections.

Our team will perform control surveys, and topographic surveys using terrestrial scanning (lidar) and traditional survey. The survey will include all aboveground elements such as edge of pavement, curb lines, front and back edges of sidewalks, driveways, visible utilities, and vegetation. The survey limits will be confined to the anticipated construction area to maximize efficiency and focus on features essential to design development. Additionally, the survey will extend 50 feet into intersecting streets to ensure continuity and context for design transitions.

The survey scope includes the following key activities:

- **Establishment of Control:** Horizontal and vertical control will be established using GPS observations and digital level runs, referenced to NAD83 (horizontal) and NAVD88 (vertical) datums. This control network will support all subsequent survey and design activities.

- **Baseline of Survey:** A paper baseline will be established using all pertinent information, with Begin and End points, and at all changes in direction (e.g., PC, PT, angle breaks), to define the project alignment.
- **Topographic Mapping:** All visible improvements within the public right-of-way will be located, including driveways, curb cuts, ramps, sidewalks, pavement markings, and features servicing adjacent properties. Topography will extend 50 feet into intersecting side streets beyond pavement returns to ensure continuity.
- **Digital Terrain Model (DTM):** Spot elevations will be acquired at sufficient density to generate a high-resolution DTM. Cross-sections will be provided at 100-foot intervals and will extend 5 feet beyond the ROW lines to capture adjacent terrain and features.
- **Vegetation and Obstructions:** All trees 4 inches in caliper or larger within the proposed sidewalk alignment will be located to assess potential conflicts. Decorative and encroaching features such as fences, mailboxes, planters, and driveways will also be documented.
- **Advanced Survey Technologies:** HBC will utilize Terrestrial LiDAR system to perform high-accuracy 3D scanning, supplemented by traditional survey methods for obscured or critical features.
- **Boundary and ROW Determination:** ROW boundaries will be verified using official maps from the Broward County Property Appraiser and Clerk of the Court.

To confirm ROW boundaries and identify potential encroachments, HBC will obtain and verify parcel data using official maps from the Broward County Property Appraiser. Particular attention will be given to locating trees within the proposed sidewalk alignment, decorative or encroaching features (e.g., fences, mailboxes, planters), and drainage-related issues such as surface ponding or non-compliant ADA ramps.

Final deliverables will include:

- Six (6) certified hard copies of the Topographic Survey Map and Report
- Electronic files in CAD and PDF formats
- A signed and sealed Digital Terrain Model (DTM)
- Full OpenRoads Designer (ORD)-compatible 3D survey files

This survey will serve as the geometric and vertical foundation for all plan sheets, design decisions, and quantity computations throughout the project lifecycle.

Subsurface Utility Engineering:

Our team will contact 811-Sunshine to request design tickets for the project areas. We will perform quality Level B utility designation according to the American Society of Civil Engineers (ASCE) for the project areas and will use GPR and electromagnetic equipment to designate and mark all underground utility lines in the areas where improvements are proposed. The lines will be marked using the industry-standard color code. The marked lines will be surveyed and mapped into the project survey files. When conflicts between the proposed improvements and existing utilities are identified, our team will perform vacuum excavation test holes (quality Level A) to safely expose the underground utility and obtain its XYZ information, as well as its diameter, material, depth from surface, direction, and identify ownership. A test hole report will be prepared for each excavation, and a table of verified utilities will also be included as part of the deliverable. In addition, the survey file for the project will be updated with the horizontal location of the test holes. GPI Geospatial will prepare and submit the signed and sealed map of topographic survey for the entire corridor, which will combine the 3D features and elevations, as well as the

baseline of survey, right-of-way lines, and underground utility lines. All survey efforts will comply with Florida Statutes (Chapters 177 and 472, F.S.) and applicable rules in the Florida Administrative Code (Rule Chapter 5J-17, F.A.C.).

Task 3: NEPA Evaluation and Cultural Resource Survey

We will perform environmental due diligence consistent with LAP Manual Chapter 18. This includes conducting a site reconnaissance for protected natural features and a desktop environmental data search. A NEPA Type 1 Categorical Exclusion Checklist and supporting documentation will be prepared in accordance with FDOT's PD&E Manual. Additionally, a Cultural Resource Assessment Survey (CRAS) will be completed and submitted to the State Historic Preservation Office (SHPO) for review and approval.

Anticipated permitting includes:

- Broward County Surface Water Management License (SWML);
- Environmental Resource Permit (ERP), due to 2.26 acres of new impervious area;
- Compliance with Hollywood's requirement that sidewalk back edges be raised a minimum of 0.1 ft above roadway crown elevation.

Task 4: Constructability Phase Submission

The 30% Constructability Submittal marks the first formal design milestone. HBC will prepare preliminary plan sheets illustrating proposed sidewalk alignments, ADA ramp design, conflict zones, and initial drainage considerations.

The preliminary sidewalk alignment alternatives will:

- Minimize impact to trees and utilities through horizontal shifts or design exceptions;
- Incorporate ADA compliant curb ramps, minimum 5 ft widths, and driveway cross slope corrections;
- Propose low impact stormwater improvements such as French drains or minor inlets, especially in areas with documented ponding (e.g., N 58 Avenue).

These plans will be discussed and refined through ongoing coordination with City staff. All design elements will be reviewed against site constraints and input collected from initial field reviews and utility coordination. A constructability review checklist will be completed by senior staff to verify access, staging, and constructability of the design. Constructability reviews will be conducted to verify that design elements meet field feasibility, staging needs, and access constraints. Optional geotechnical investigations may be performed if required. All work will conform to the latest editions of relevant FDOT manuals, Broward County and City of Hollywood requirements.

At this stage, we will prepare a preliminary construction cost estimate and an updated project schedule will be submitted for review. Coordination with the City and MPO will be conducted to confirm funding sufficiency and identify the need for supplemental resources, if applicable. Initial Utility Coordination. After 30% submittal, we will initiate contact with all utility agencies to begin conflict identification and facilitate early coordination. This phase also includes preparation of the Utility Conflict Matrix using Sunshine 811 and UWS protocols and 30% QA/QC documentation per FDOT LAP protocols. This proactive step will reduce the risk of delays during final design.

Task 5: Production Phase Submission

Following stakeholder coordination and agency review, HBC will develop 60%, 90%, and 100% plan submittals. HBC will prepare full production plan sets, incorporating feedback from FDOT, City staff, and the public, for LAP and City review.

The 60% production phase will reflect refined geometry, utility adjustments, drainage solutions, signage and pavement markings, and landscape/tree protection strategies. Final drainage design elements will be integrated at this stage to address stormwater management needs consistent with City criteria. HBC will coordinate signing and pavement marking plans with Broward County. Permitting documentation, including SWPPP preparation and permit applications for the City and FDEP (if required), will be completed as the design reaches appropriate stages of maturity.

Each submittal will include an engineer's estimate, quantity takeoffs, QA/QC checklists, stormwater mitigation features (e.g., French drain cutouts, swale grading) will be included to manage the additional impervious surface, consistent with Broward County ERP and SWML thresholds. Additionally, deliverables include bid packages, LAP certifications, comment responses, public outreach materials and homeowner coordination letters and supporting documentation including SWPPP, MOT plans, and permitting materials.

Plan sets will be developed using FDOT CADD standards and submitted through the ERC system. Coordination with the City and FDOT reviewers will ensure all comments are resolved in advance of final plan acceptance.

Task 6: Public Involvement and Property Owner Notification

Prior to the public workshop, notification letters will be sent to all affected property owners detailing potential impacts, including driveway modifications, mailbox relocation, and landscaping changes. These communications will promote transparency and support stakeholder engagement. Workshop Coordination and Agency Review. A formal workshop will be held with residents, community members and key stakeholders to present the design and gather feedback.

Following the workshop and review feedback, the HBC Team will advance the plans to 90% completion, addressing all stakeholder and agency comments, and providing a detailed quantity take-off list along with an updated construction cost estimate. A final utility coordination workshop will be conducted at this stage to resolve outstanding utility conflicts.

Upon receiving design clearance, 100% signed and sealed construction plans will be prepared and submitted as part of the final deliverables. This submittal will also include detailed quantity take-offs, a formal letter of quality control, and conformed bid documents incorporating all revisions, addenda, and responses to prior review comments.

Task 7: Support During Construction

Following contractor selection, our firm will support the City through limited construction administration services. This includes attendance at up to ten coordination meetings, plan clarifications or revisions, certification inspections, respond to Requests for Information (RFIs), and review of contractor submitted as-builts. We will issue a final certification letter upon satisfactory completion of construction in accordance with the approved plans.

The FDOT Electronic Review Comments (ERC) system is used to manage design submittal reviews for LAP projects. HBC will upload design plans to ERC, where FDOT assigns reviewers to provide categorized comments. HBC will respond to each comment. All comments will be closed before submittal approval.

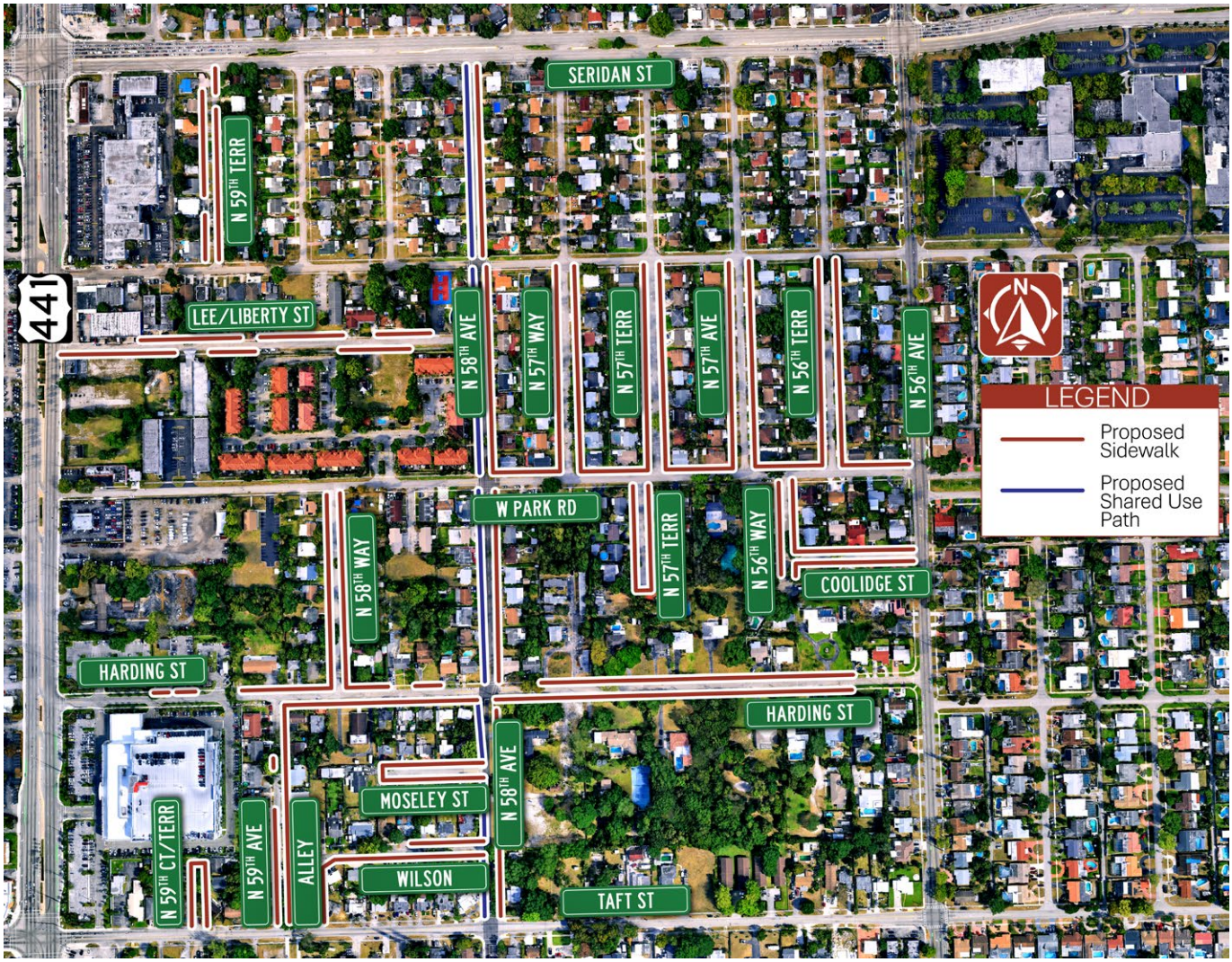
HBC will maintain proactive communication with property owners throughout the project, offering one on one meetings with residents interested in discussing potential impacts. Special attention will be given to identifying and coordinating the treatment of decorative driveways, mailboxes, planters, and other landscape features within or near the ROW. The goal is to avoid disruptions where possible and ensure any necessary relocations are handled respectfully and in compliance with City standards. This approach supports context sensitive design and fosters community support for sidewalk improvements.

Sidewalk & Shared Use Path

Our vision emphasizes enhancing pedestrian access, minimizing community disruptions, and maintaining the integrity of adjacent landscaping and utilities. To achieve this, our methodology includes: (1) a thorough field reconnaissance to identify physical constraints, (2) a block-by-block assessment to confirm right-of-way (ROW) boundaries, (3) conflict identification and resolution with utilities and private encroachments, (4) ADA compliant ramp integration, (5) sustainable stormwater management strategies to address additional impervious areas, and (6) stakeholder engagement to ensure community support.

Based on our field review, the project scope includes approximately 3.36 miles of new sidewalk/share use path improvements on the following streets:

ROAD	LIMITS	LOCATION (Side of the Rd)
N 59th CT/Tr	Taft St to Harding St	East/West
N 59th Ave	Taft St to Harding St	East/West
Wilson St	Alley St to 58th Ave	North/South
Moseley St	N 59 Ave to 58th Ave	North/South
Harding St	SR 7 to 56th Ave	North/South
N 58 Way	Harding St to W Park Road	East/West
Lee/Liberty St	SR 7 to 58th Ave	North/South
N 59th Ter	Thomas St to Sheridan St	East/West
N 58th Ave	W Park Rd to Thomas St	East
N 57th Way	W Park Rd to Thomas St	East/West
N 57 Ter	W Park Rd to Thomas St	East/West
N 57 Ave	W Park Rd to Thomas St	East/West
N 56th Ter	W Park Rd to Thomas St	East/West
W Park Road	58th Ave to 56th Ave	North
Coolidge St	56th Way to 56th Ave	North/South
N 57th Ter	Harding St to W Park Road	East/West
N 56th Way	Harding St to W Park Road	East/West
N 58 Ave Shared Use Path	Taft St to Sheridan St	West



Sidewalk Inventory

From our field visit we logged the following deficiencies:

Gaps in Between Sidewalk Slabs

All sidewalk segments exhibiting separation or misalignment between slabs will be removed and reconstructed to eliminate tripping hazards and ensure smooth, ADA compliant transitions.

Noncompliant ADA Ramps or Missing Detectable Warning Surface

All existing noncompliant curb ramps will be redesigned to meet current ADA standards, including compliant slopes, landings, and the installation of truncated dome detectable warning surfaces where required.

Obstructions from Decorative Driveways, Mailboxes, Mature Trees, Shrubs, Fences, and Utilities (i.e. Harding Street)

The design will evaluate horizontal adjustments or sidewalk realignments to avoid or minimize impact to decorative elements and utilities. Coordination with property owners will be conducted where relocation or modification is necessary. Design exceptions or alternative treatments may be proposed when obstructions cannot be reasonably avoided.

Damaged Sidewalk Slab (i.e. N 58 Avenue)

All damaged or deteriorated sidewalk panels will be removed and replaced with new concrete slabs meeting structural and ADA specifications.

Water Ponding

Localized drainage improvements will be incorporated, including grading adjustments/swales, installation of French drains or minor inlet structures, to eliminate standing water and promote positive drainage.

Utility Poles Preventing Full Access Across the Entire Sidewalk Width (i.e. N 57 Terrace)

Where utility poles obstruct the clear width, the sidewalk alignment will be adjusted to maintain a minimum ADA compliant sidewalk. Coordination with utility providers will be initiated if pole relocation is deemed necessary or feasible.

Landscape Planters, Walls, and Fence Encroach Into the Public Row

Encroachments will be evaluated during design. Where feasible, sidewalk alignment will be adjusted to avoid permanent features. Where avoidance is not possible, coordination with property owners and the City will be initiated to remove or modify the encroaching elements, consistent with ROW use policies.

Our design approach will commence with a block by block assessment to

1. Identify the locations of new sidewalk,
2. Develop conceptual design and solution to specific issues noted along the corridor much like we have done successfully on our other sidewalk projects in the City of Hollywood,
3. Recommend replacing inlet grates in the vicinity of sidewalk work to pedestrian and bicycle friendly grates,
4. Confirmation of City ROW and identification of ROW conflicts,
5. Coordination of conflict elements to be relocated or adjusted by homeowners such as planters or landscape areas,
6. Identification of tree impacts and coordination of permit requirements,
7. Utility coordination and/or relocation coordination; Local Agency is responsible for any utility adjustments/costs,
8. One on one meetings with stakeholders or mail notification of property owners impacted by the project to make them aware of how the new sidewalk will be designed and look in front of their property.

Once the assessment is complete, the design approach will consist of two main components:

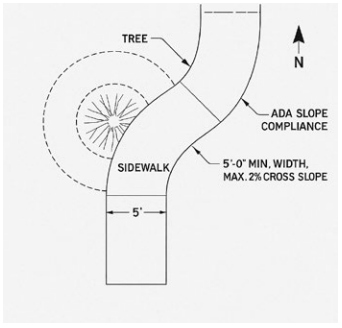
Repair/Rehabilitation

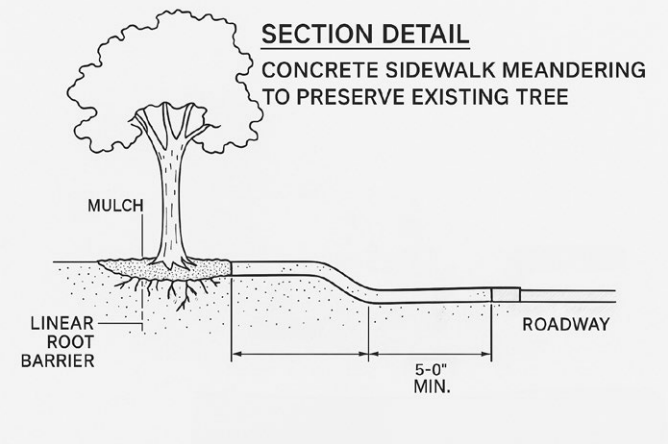
All sidewalks in need of repair or requiring upgrades to meet current standards will be designed with a typical section width 5 feet.

New Construction

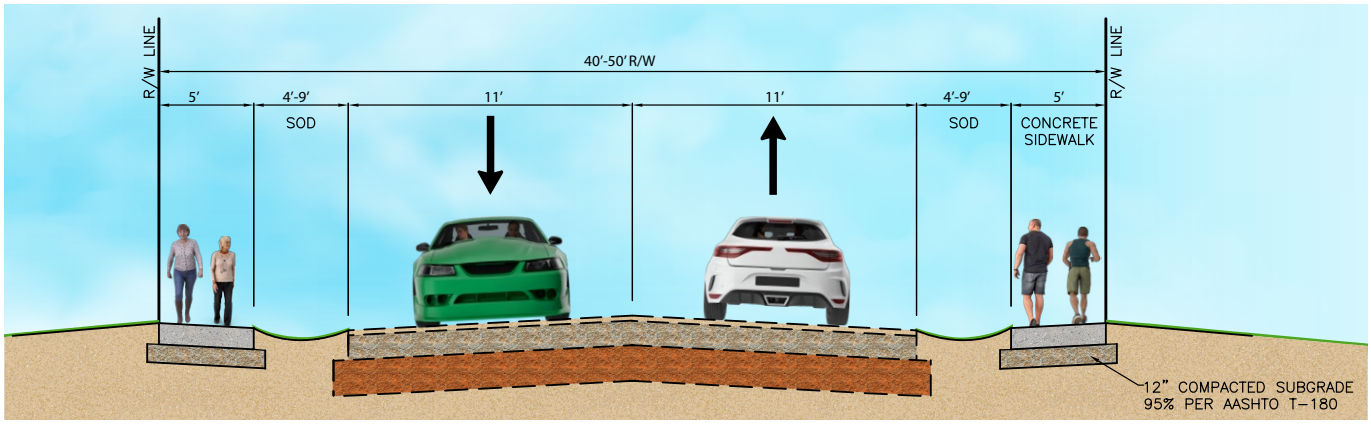
The proposed sidewalk/shared use path will be installed within the swale areas and designed in accordance with the Florida Green Book (FGB), while also referring to Broward County Complete Streets Guidelines, as adopted by City of Hollywood Commission on September 9, 2013 to ensure pedestrian safety, accessibility, and compliance with ADA requirements. A recommended minimum width of 5 feet will be provided for new sidewalks.

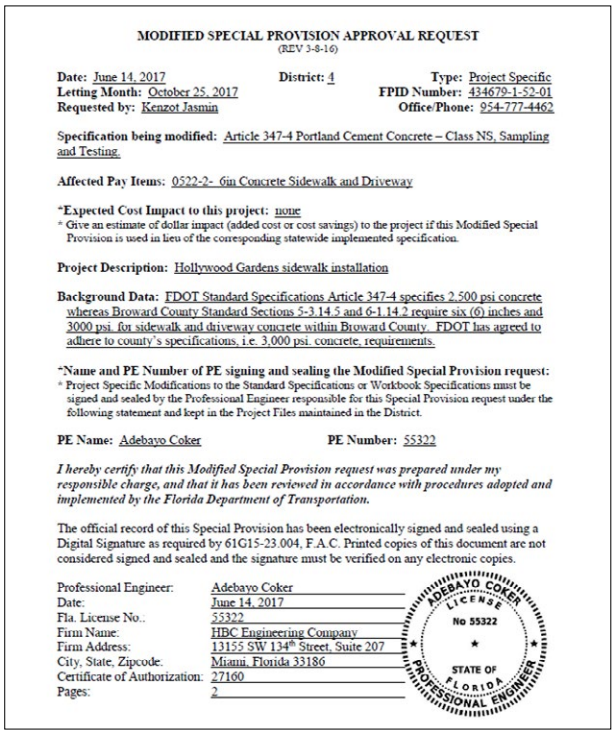
The proposed sidewalk and shared use path improvements will incorporate context sensitive design strategies to address existing site constraints while enhancing pedestrian and cyclist mobility. Sidewalk alignments will be adjusted through meandering or tapering techniques to navigate around existing trees, utility poles, and driveways, preserving valuable landscape features and minimizing utility conflicts. Where right-of-way (ROW) is limited, mitigation measures such as root barriers, selective pruning, or tree trimming will be employed. In particularly constrained corridors such as those found in the Sheridan Park and Hollywood Acres neighborhoods, where ROW widths range from 25 at alleys and 40 to 50 feet at streets, a single sided sidewalk design may be implemented as a cost effective and practical solution. This approach reduces construction impacts, particularly in areas with extensive harmonization needs or decorative private features, while maintaining safe pedestrian access.





According to the FDOT Greenbook the minimum paved width for a two-way path is 10 feet and the minimum distance between the path and roadway shall be 5 feet. The shared use path can be reduced to 8 feet under certain conditions. All sidewalk segments will maintain a minimum back of sidewalk elevation of 0.1 feet above the roadway crown to ensure positive drainage, in accordance with City of Hollywood standards. In areas with excessive longitudinal slope, ramping and grading transitions will be designed to meet PROWAG slope tolerances, ensuring ADA compliance. Driveway crossings will be engineered for smooth transitions and structural integrity. The corridor also includes the design of a shared use path along North 58th Avenue, providing continuous and safe connectivity for cyclists between the existing shared use path on Taft Street and Sheridan Street. Where sidewalks are constructed on only one side of the roadway, the design will include appropriate pedestrian crossings, ADA compliant curb ramps, and signage to guide safe and accessible movement across the corridor.





MODIFIED SPECIAL PROVISION APPROVAL REQUEST
(REV 3-8-16)

Date: June 14, 2017 **District:** 4 **Type:** Project Specific
Letting Month: October 25, 2017 **FPID Number:** 434679-1-52-01
Requested by: Kenzot Jasmin **Office/Phone:** 954-777-4462

Specification being modified: Article 347-4 Portland Cement Concrete – Class NS, Sampling and Testing.

Affected Pay Items: 0522-2- 6in Concrete Sidewalk and Driveway

***Expected Cost Impact to this project:** none
* Give an estimate of dollar impact (added cost or cost savings) to the project if this Modified Special Provision is used in lieu of the corresponding statewide implemented specification.

Project Description: Hollywood Gardens sidewalk installation

Background Data: FDOT Standard Specifications Article 347-4 specifies 2,500 psi concrete whereas Broward County Standard Sections 5-3.14.5 and 6-1.14.2 require six (6) inches and 3000 psi for sidewalk and driveway concrete within Broward County. FDOT has agreed to adhere to county's specifications, i.e. 3,000 psi. concrete, requirements.

***Name and PE Number of PE signing and sealing the Modified Special Provision request:**
* Project Specific Modifications to the Standard Specifications or Workbook Specifications must be signed and sealed by the Professional Engineer responsible for this Special Provision request under the following statement and kept in the Project Files maintained in the District.

PE Name: Adebayo Coker **PE Number:** 55322

I hereby certify that this Modified Special Provision request was prepared under my responsible charge, and that it has been reviewed in accordance with procedures adopted and implemented by the Florida Department of Transportation.

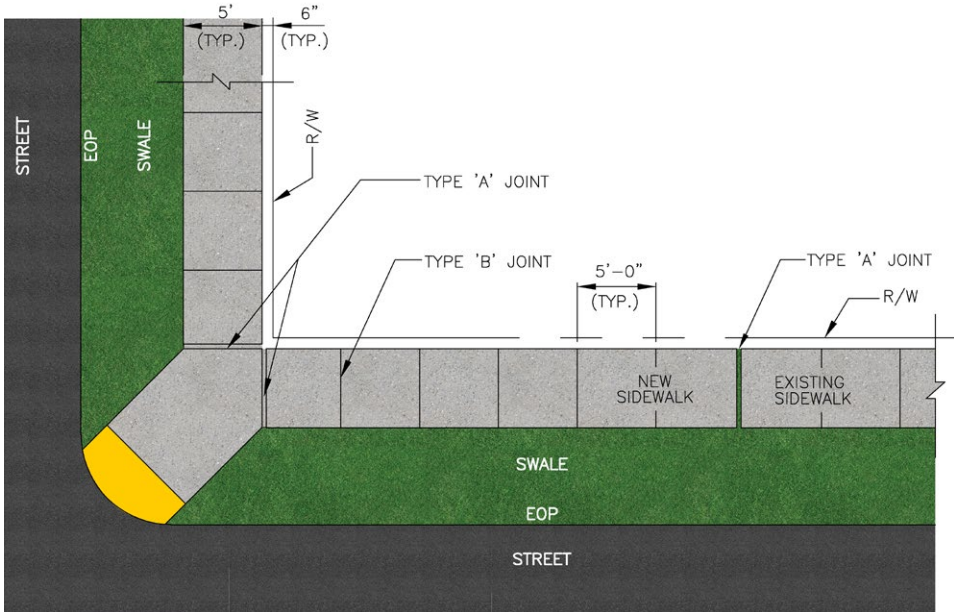
The official record of this Special Provision has been electronically signed and sealed using a Digital Signature as required by 61G15-23.004, F.A.C. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

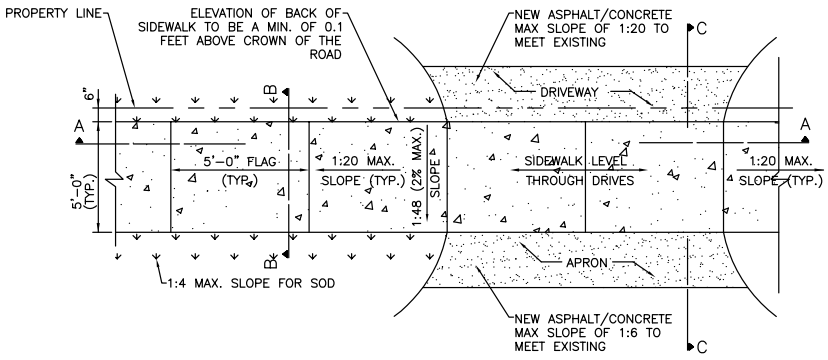
Professional Engineer: Adebayo Coker
Date: June 14, 2017
Fla. License No.: 55322
Firm Name: HBC Engineering Company
Firm Address: 13155 SW 134th Street, Suite 207
City, State, Zipcode: Miami, Florida 33186
Certificate of Authorization: 27160
Pages: 2

ADEBAYO COKER LICENSE No 55322 STATE OF FLORIDA PROFESSIONAL ENGINEER

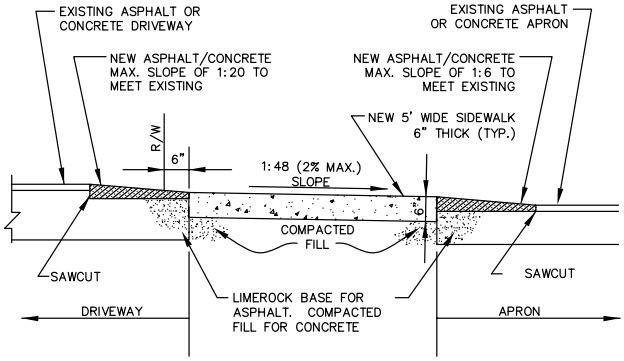
In accordance with City of Hollywood engineering standards, the minimum required sidewalk thickness is 4 inches in standard pedestrian areas, and 6 inches at locations subject to vehicular loading, such as residential and commercial driveways and ADA ramps. Given the high concentration of driveways throughout the project corridor, it is recommended that the proposed sidewalk be constructed with a uniform thickness of 6 inches. This approach will ensure structural durability, accommodate anticipated loading conditions, and reduce the need for frequent transitions in sidewalk depth. This design complies with Broward County standards for sidewalk construction. Consistent with FDOT requirements a Modified Special Provision (MSP) will be developed to modify the standard FDOT specification to provide 3000 psi concrete instead of standard 2500 psi concrete consistent with the City of Hollywood and Broward County Standards for concrete sidewalks. **See modified special provisions request sheet to the left.**

Sidewalk Details

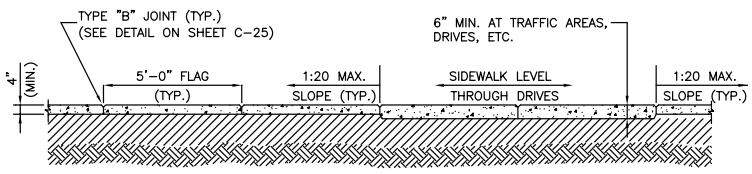




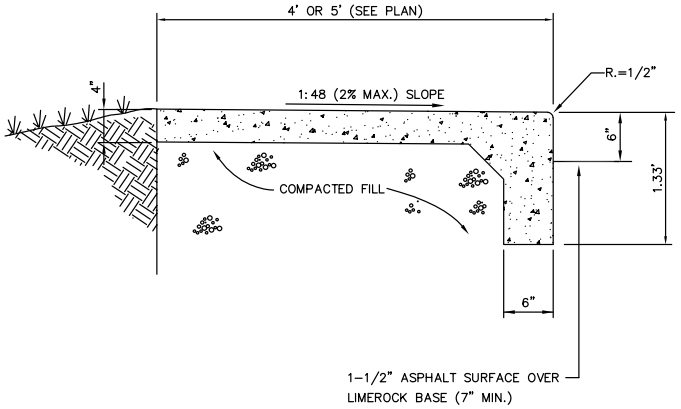
PLAN



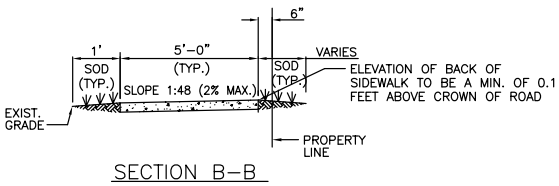
SECTION C–C



SECTION A–A

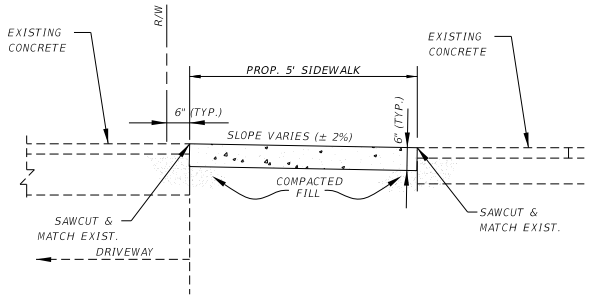


SIDEWALK WITH CURB

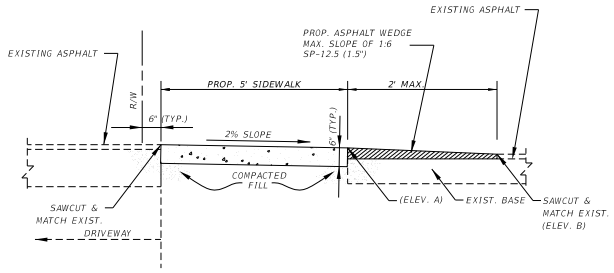


SECTION B–B

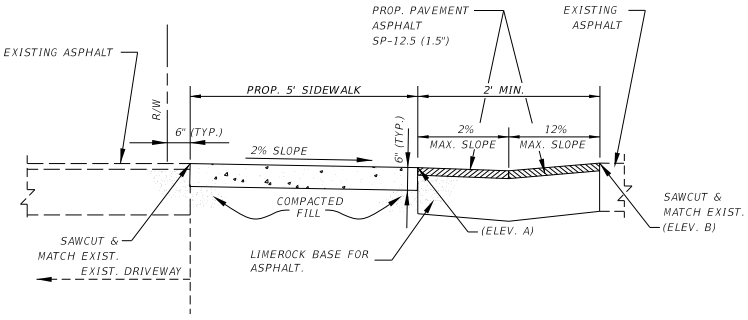
Sidewalk Details



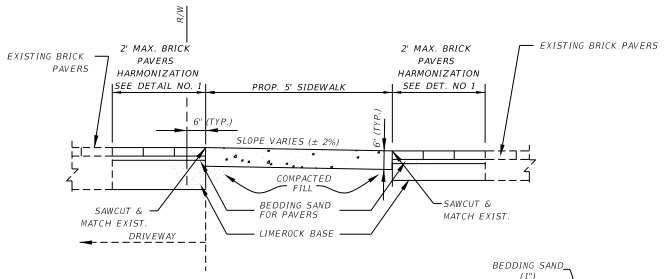
SECTION A - A
AT CONCRETE DRIVEWAY
CONDITION NO. 4
N.T.S.



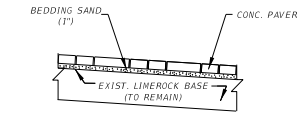
SECTION A - A
AT ASPHALT DRIVEWAY
CONDITION NO. 2, ELEV. A > ELEV. B
N.T.S.



SECTION A - A
AT DRIVEWAY PAVEMENT RECONSTRUCTION
CONDITION NO. 1., ELEV. A < ELEV. B
N.T.S.



SECTION A - A
AT BRICK DRIVEWAY
CONDITION NO. 3
N.T.S.



1 BRICK PAVERS RECONSTRUCTION DETAIL
N.T.S.

It is likely that this project will be federally funded and as such will have limited funding. We will prioritize the work by performing a block-by-block evaluation that will be used to generate a table displaying new sidewalks and severity of needed rehabilitation with cost estimates. This project is ideal for Simplified Measures and Resourceful Techniques (SMART) approach to design. HBC has used such techniques in previous projects like the Broward County Hollywood Gardens Sidewalk and Hammocks Signage Project where verbal descriptions, tables and simple plan views were used to illustrate in an abbreviated manner the scope of the work.

This project is funded through the FDOT LAP program with FM 445534-1 and as such we will comply with the preliminary engineering and design requirements of Chapter 17 of the FDOT LAP Manual to establish design criteria. **See the table below.**

PROJECT CLASSIFICATIONS	DESIGN CRITERIA AND STANDARDS	SPECIFICATIONS	MATERIALS TESTING	QUALIFICATIONS
Class C Off the SHS and NHS and includes structural components: • a vehicular bridge • pedestrian bridge over a roadway • box culvert meeting the definition of a bridge as stated in 23 CFR 650.305	1) For structures components, use the FDOT Design Manual, FDOT Structures Manual and FDOT Standard Plans 2) For all other components, use the Florida Green Book	1) For the structures components, FDOT Standard Specifications 2) For all other components, LAP Big 3 or approved Local Agency Specs	1) For structures components, use the Samples Testing and Reporting Guide and FDOT Materials Manual 2) For all other components, use Local Agency Materials testing Process	FDOT Prequalified consultants and contractors

Responsibility for Sidewalk and Right-of-Way Maintenance

In accordance with the City of Hollywood Code of Ordinances (155.30), property owners are responsible for the maintenance of the public right-of-way adjacent to their property, including the swale, sidewalk, and curb, extending to the crown of the road.

In alignment with the City's commitment to maintaining a safe, accessible, and well-maintained pedestrian infrastructure, it is essential to coordinate closely with property owners and provide timely notifications regarding upcoming sidewalk construction or maintenance activities. Proactive communication ensures that residents are fully informed of planned work and understand their responsibilities as outlined in applicable local ordinances. This collaborative approach promotes transparency, encourages community cooperation, and helps streamline project execution while minimizing disruptions.

Parking Issues for the Approach Section of the Proposal

In the Sheridan Park and Hollywood Acres neighborhoods of the City of Hollywood, the majority of residential streets are two-lane, two-way local roads characterized by a sodded swale between the pavement edge and sidewalk or private property lines. Currently, many homeowners utilize the unpaved area between their property and the public right-of-way; specifically the sodded swale for informal parking, especially in segments where sidewalks do not exist.

The proposed sidewalk improvement project introduces continuous ADA compliant sidewalks within the swale area to enhance pedestrian mobility and safety.

This design will significantly affect existing parking practices in several ways:

Loss of Informal Onswale Parking

Homeowners who currently park vehicles between the sodded swale and their homes may lose that space due to the placement of new sidewalks, particularly in areas with limited driveway capacity.

Right-of-way Constraints and Property Impacts

The introduction of sidewalks may necessitate reconfiguration of driveways and landscaping in narrow ROW corridors. In some cases, this may require coordination with property owners to remove or modify elements such as planter boxes, irrigation features, and parking surfaces that encroach into the proposed sidewalk zone.

Community Coordination and Mitigation

To address these impacts, HBC will implement a proactive outreach strategy, including individual property owner meetings and notification letters, to discuss design implications and consider mitigation options such as minor grading, harmonization of driveway widths, or pursuit of license agreements where feasible.

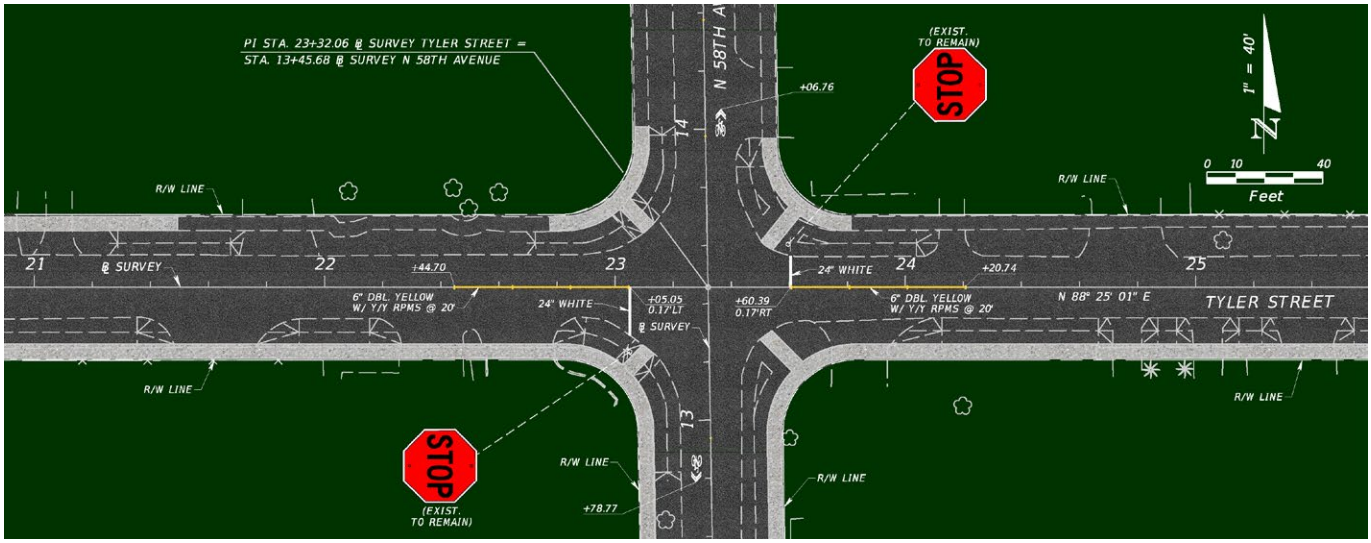
Alternative Solutions in Constrained Areas

In particularly tight corridors, such as those with narrow right-of-way or high parking demand, the design team may recommend single sided sidewalk installation to preserve partial parking access while maintaining compliance with ADA and City of Hollywood standards.

Ultimately, while the sidewalk enhancements serve the long-term goal of improving neighborhood walkability and safety, they will require careful coordination to address short term parking losses and homeowner concerns. A balance between public infrastructure needs and private usage patterns will be achieved through field informed design adjustments.

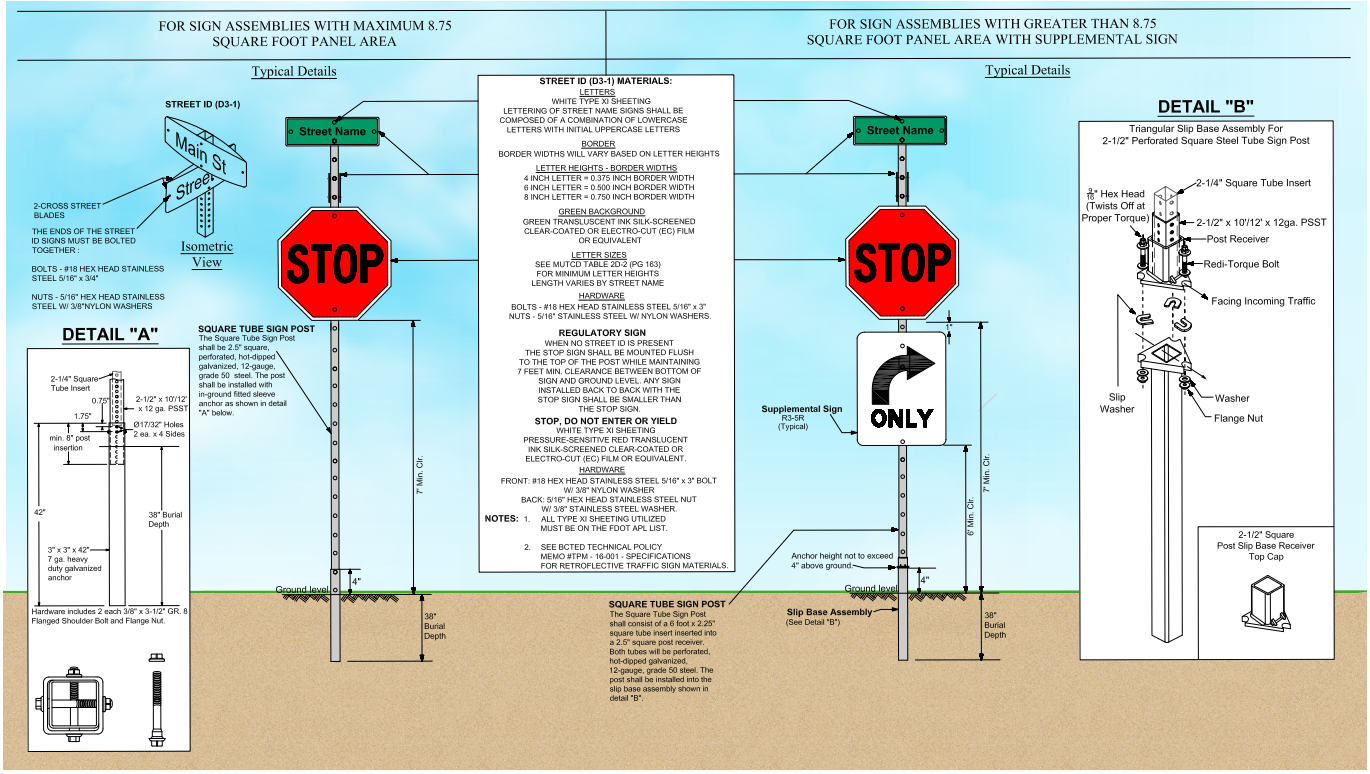
Signing & Pavement Markings

As part of our comprehensive design approach, the HBC Team will assess and implement all necessary modifications to signing and pavement markings to support the new ADA compliant sidewalk/shared use path network throughout the neighborhoods. A detailed field review will identify locations where existing crosswalk striping must be fully replaced to align with proposed pedestrian ramps and enhance visibility for all users. Where existing stop signs conflict with the proposed sidewalk alignment, the signs will be either relocated or replaced to preserve proper positioning relative to pedestrian crossings and ensure uninterrupted sight distance. All signage improvements will comply with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) and the FDOT Traffic Engineering Manual (TEM), ensuring that placement, height, reflectivity, and visibility meet state and federal safety standards. For unsignalized (stop-controlled) intersections, our team recognizes that Broward County is responsible for striping maintenance on City roadways. As such, the upgrade of all signing and marking plans will adhere to Broward County sidewalk layout criteria and marking standards. Where new sidewalk crossings and ADA ramps are introduced, stop bars will be relocated to locations behind ramp landings and crosswalk alignments, consistent with ADA guidelines and MUTCD requirements. This will ensure safe and unobstructed pedestrian travel while maintaining effective vehicular control at intersections.



In addition, all new, relocated, or adjusted stop signs will utilize standard Broward County sign panels, and their locations and mounting assemblies will be field verified to ensure compliance with visibility and accessibility requirements **(as shown immediately above).** Final sign placement will consider intersection geometry, ROW constraints, and applicable City and Broward County Standard Details to maintain consistency with regional practices and safety objectives.

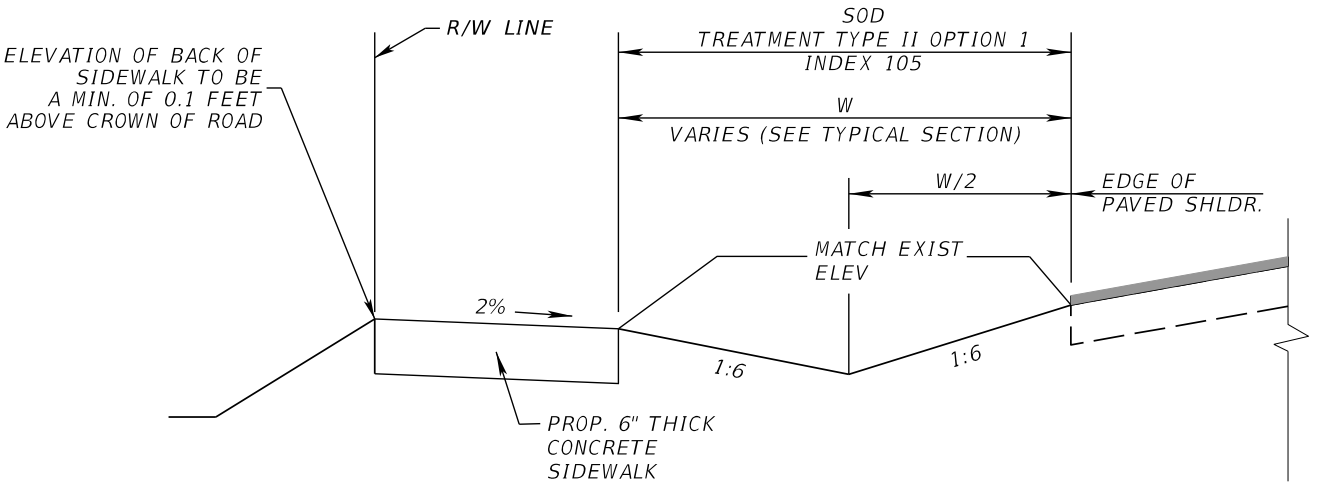
Through this integrated approach to signage and pavement marking design, the HBC Team will enhance pedestrian safety, provide visual continuity throughout the project area, and ensure compliance with all applicable design standards **(as shown immediately below).** Consistent with FDOT requirements a Modified Special Provision (MSP) will be developed to modify the standard FDOT specification to provide square tube signposts consistent with Broward County Standards for stop sign and street identification assembly typical details.



Drainage

The construction of new sidewalks/shared use path will result in an approximately net increase of 2.26 acres of impervious surface area. As such, a Broward County Surface Water Management License is required in accordance with Chapter 27, Section 27-194 (C)(5) of the Broward County Code of Ordinances. The purpose of the SWML is to ensure that stormwater runoff is managed in a way that meets the county's water quantity and quality standards.

In addition to the SWML, the project may also require a State Environmental Resource Permit (ERP). Under Rule 62-330.051 of the Florida Administrative Code, a full ERP is generally required when the proposed increase



in impervious area meets or exceeds 2.0 acres. Given that this project is anticipated to result in a 2.26 acre increase, it meets the threshold for ERP consideration. In this jurisdiction, Broward County serves as the delegated permitting authority for the South Florida Water Management District (SFWMD) and will be responsible for issuing the ERP if it is deemed applicable. The ERP is intended to evaluate the design and environmental impact of surface water management systems and ensures the project meets regulatory requirements related to drainage, flood protection, and water quality. Broward County will be responsible for issuing both the Surface Water Management License and the ERP.

Further evaluation during the design phase will determine the exact applicability of the ERP based on drainage area calculations and proposed mitigation strategies. The integration of compensatory stormwater features such as French drains, swale regrading, and inlet modifications may help address regulatory requirements while minimizing the need for more extensive permitting. These features will be integrated to enhance infiltration and provide effective stormwater attenuation within the available right-of-way. These coordinated efforts with City staff and conformance with FDOT LAP Manual and Florida Greenbook design standards will guide the project's permitting path.

Additionally, as part of our comprehensive design approach, the design will incorporate the installation of new drainage inlets, with priority placement at newly formed low points, intersection corners, and other areas where construction activities alter existing surface flow patterns. Inlet locations will also be informed by field observations, documented flooding concerns, and feedback from community stakeholders and City of Hollywood staff. Based on our field visit, ponding was observed on 2121-2137 E 58 Avenue.

To mitigate the risk of localized ponding and ensure stormwater containment within the public right-of-way, the design will follow City of Hollywood drainage criteria by elevating the back edge of sidewalk, where feasible, to a minimum of 0.1 feet above the roadway crown **(as shown at the top),** provided this adjustment does not introduce tripping hazards. This measure will facilitate positive flow toward inlets and swales and reduce the potential for stormwater migration onto adjacent private properties.

For locations exhibiting persistent drainage concerns, additional engineering solutions will be evaluated and implemented as needed.

These may include:

- Partial milling and resurfacing with overbuilding to adjust roadway cross slopes and promote conveyance to nearby swales or inlets.
- Adjustment or reconstruction of inlet elevations to ensure compatibility with the revised surface grades and improved drainage efficiency.
- Use of pervious sidewalk materials in localized areas with poor drainage and limited outfall capacity to promote infiltration and reduce surface runoff.

These strategies will be integrated into the design early in the development process, supported by coordination with City staff, field data collection, and conformance with the Florida Greenbook, FDOT LAP Manual, and applicable City and County stormwater management standards.

Other Considerations

Community Coordination

Most properties adjacent to the project are residences. In some instances, residential owners appear to have encroached into the public ROW preventing proper connection of sidewalks. We will coordinate the design/construction with Property Management and residents that have driveways within the proposed sidewalk ROW.

School

Part of the goal of this project is to provide a safe route to school that:

- Enable and encourage children, including those with disabilities, to walk and bicycle to school
- Make walking and bicycling to school safe and appealing
- Improve safety and reduce traffic congestion, fuel consumption, and air pollution by encouraging alternative means of transportation

The Sheridan Park and Hollywood Acres neighborhoods are within the 2-mile walk zone of various schools such as Sheridan Hills Elementary, Hollywood Hills Elementary, Sheridan Park Elementary School, and Calvary Christian Academy Hollywood. We will use the FDOT safe route to school design tool kit for developing and implementing safe routes to the designated school locations and extend sidewalk improvement beyond the immediate school zone to the entire area within which students may be walking or riding their bicycles to get to school. Our design will be tailored to the area's local context and mindful of the community's unique needs, and challenges. Our design will increase accessibility and diminish the boundaries preventing students from walking or bicycling to school by providing interconnected sidewalks, repositioning traffic control devices, and improving ADA.

Bus Stops

Although no Broward County Transit (BCT) stops are located directly within the project limits of the Sheridan Park and Hollywood Acres neighborhoods, several active bus routes operate along bordering corridors, including Routes 8 (Taft Street), 12 (Sheridan Street), 15 (N 56 Avenue), and 18 (SR 7/US 441). These transit routes provide essential connectivity for residents and must remain fully accessible throughout the construction period. Our team will coordinate closely with Broward County Transit to ensure uninterrupted access to these existing bus stops during all phases of construction. Where construction activities are anticipated to affect pedestrian pathways near these transit corridors, temporary access routes will be established in compliance with FDOT Standard Index 102-661 and ADA requirements. Signage, phasing plans, and detour provisions will be implemented as needed to guide passengers safely to boarding and alighting areas. This coordination will be integral to maintaining equitable access and minimizing impacts on transit-dependent users.

Utilities

Our team will contact 811 Sunshine to request design tickets for the project areas. To ensure the successful implementation of ADA compliant sidewalk infrastructure within the Sheridan Park and Hollywood Acres neighborhoods, the proposed sidewalk/shared use path alignment will be selected to minimize conflicts with existing utilities. The design team will prioritize alignments that avoid impacts to existing underground and overhead utilities, including water meters, utility boxes, utility poles, and guy wires. Slight alignment modifications may be necessary at isolated locations such as near guy wires, meters, or pole bases to achieve ADA compliance and maintain the required sidewalk clearances. During our field review, several potential utility conflicts were observed. Notably, an AT&T utility box located at 5815 Harding Street has been identified as being in direct conflict with the proposed sidewalk improvements. Where relocation is necessary, the HBC Team will coordinate early with the City of Hollywood and the appropriate utility owners to address potential design conflicts and facilitate timely relocation efforts.

Subsurface Utility Engineering (SUE) will be performed to Quality Level B for designation and Level A (vacuum excavation) in areas of potential conflict. Utility owners including AT&T, FPL, City of Hollywood Public Utilities, and Broward County Water and Wastewater

Services will be notified early to obtain records, verify ownership, and identify opportunities for joint-use adjustments. HBC will prepare a Utility Conflict Matrix and integrate verified utility data into plan sets, ensuring avoidance or relocation strategies are clearly documented prior to 60% design.

All utility coordination will be performed in accordance with FDOT's Utility Accommodation Manual and LAP Manual Chapter 12. HBC will engage with the District Utility Office to initiate Utility Coordination Packages (UCPs), transmit plans, and confirm utility clearance schedules to prevent conflicts with construction activities. The HBC Team will document all existing utility locations during the survey and design phases, conduct conflict assessments, and prepare relocation plans where applicable. The local agency will remain financially responsible for utility relocation costs in accordance with LAP guidelines. HBC will support the City in managing these obligations by providing technical documentation, plan updates, and conflict resolution support throughout design development and permitting.

By proactively identifying and addressing utility conflicts during the design phase, HBC will mitigate construction delays, reduce change orders, and ensure the physical construction of sidewalk facilities progresses without interruption.

Landscaping

The proposed sidewalk improvements are located within the established residential neighborhoods of Sheridan Park and Hollywood Acres in the City of Hollywood. These areas are characterized by mature tree canopies that contribute significantly to neighborhood aesthetics and provide essential shade for pedestrians. While these trees enhance the walking environment, they can also obstruct clear lines of sight and interfere with safe pedestrian access along the sidewalk corridor. In alignment with the City of Hollywood's priority to preserve existing tree canopy while maintaining all improvements within the existing right-of-way, our design approach will prioritize horizontal sidewalk alignment adjustments to avoid tree impacts wherever feasible. In instances where tree conflicts are unavoidable, selective pruning will be performed solely to achieve the minimum required 7-foot vertical clearance in accordance with applicable standards and arboricultural best practices.

To address recurring sidewalk uplifts caused by invasive root systems, root barriers will be installed in areas where damage is severe. These barriers will be carefully placed to mitigate future sidewalk displacement while preserving the health and stability of adjacent trees. This balanced approach ensures the project meets the City's goals of sustainability, safety, and infrastructure resilience within the constrained ROW typical of the Sheridan Park and Hollywood Acres neighborhoods. KCI will advise on this process.

Approach to Tree Analysis and Landscape Obstruction Mitigation

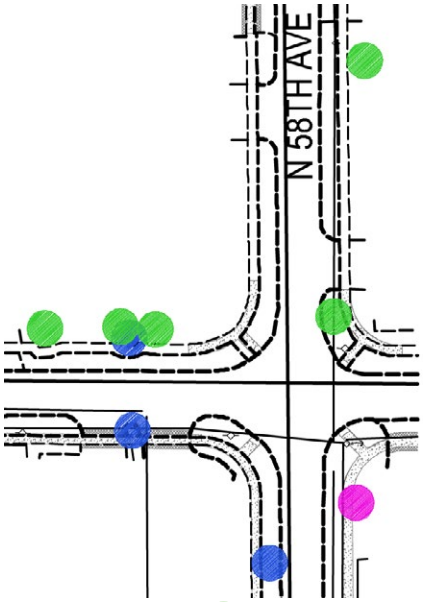
As part of our scope of work, the HBC Team will perform a detailed tree analysis and landscape assessment throughout the project corridor to identify conflicts between existing vegetation and the proposed sidewalk alignments. The objective of this analysis is to support the development of context sensitive design solutions that preserve the neighborhood's existing tree canopy while accommodating the construction of ADA compliant pedestrian facilities. All trees within the project limits will be surveyed and documented and proximity to the proposed sidewalk alignment. Based on this inventory, our team will prepare a tree conflict matrix and impact assessment, identifying trees that may require pruning, relocation, root barrier installation, or, as a last resort, removal.

A tree analysis will be used to inform the horizontal alignment of sidewalks, enabling adjustments that avoid or minimize impacts to significant trees and landscaped areas wherever feasible. In locations where trees obstruct sidewalk construction and avoidance is not practical due to ROW constraints or ADA design requirements, mitigation strategies will be recommended in coordination with the City of

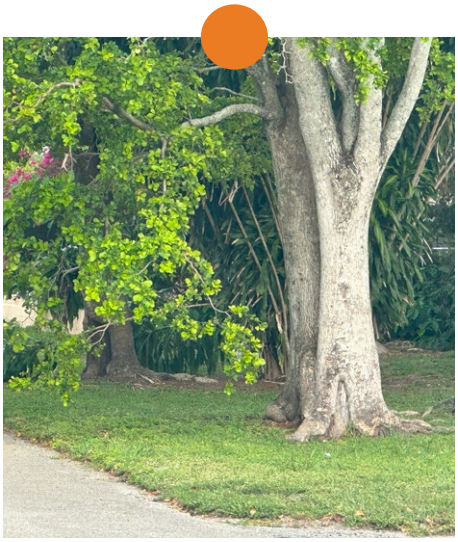
Hollywood. The outcome of the tree analysis will be presented in the design phase submittals and will serve as a key tool for guiding coordination with City staff and the community on final tree related design decisions. Through this proactive and data driven approach, the HBC Team will deliver a sidewalk network that balances infrastructure improvements with environmental stewardship, preserving the community's landscape character while achieving the project's mobility and accessibility goals.

Strategies and Recommendations

Our tree impact mitigation approach follows a four-tiered strategy:



LEGEND	
	No Conflict
	Root Pruning may be Necessary
	May Require Flexi-Pave
	Recommend Adjusting Sidewalk Location to Avoid



Condition 1

Description:
Areas where the addition of a 5' concrete sidewalk will not impact any existing trees of palms.

Strategy and Recommendation:
The standard sidewalk installation can occur in these areas.

Condition 2

Description:
Areas where there is a larger existing tree adjacent to the proposed sidewalk that may require root grinding to install sidewalks.

Strategy and Recommendation:
The concrete sidewalk can be installed in these areas. Details will be provided for the contractor for the proposed way to handle any roots present in these areas. These details and methods have been used on other FDOT District 4 Projects

Condition 3

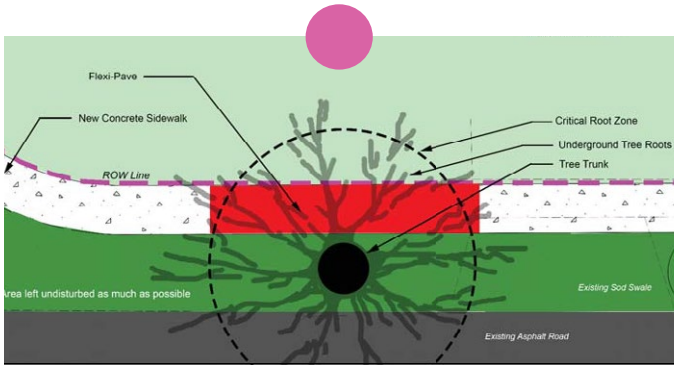
Description:
Areas where there is an existing narrow sidewalk that the widening of will impact the root zones of large existing trees. Additionally, areas where a new sidewalk is proposed and there are large existing trees directly adjacent to the proposed walk.

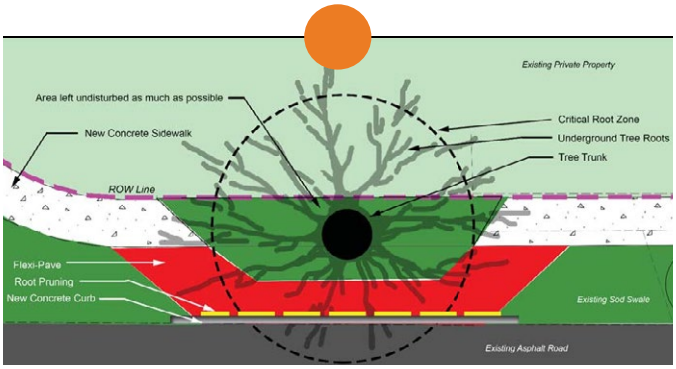
Strategy and Recommendation:
We propose to use the Flexi-Pave system within the Critical Root Zone of the large existing trees. In areas where the trunk of the large tree is very close to the proposed sidewalk, the Flexi-Pave may actually touch the trunk of the tree. The Flexi-Pave creates an ADA compliant walking surface and allows for the large trees to remain.

Condition 4

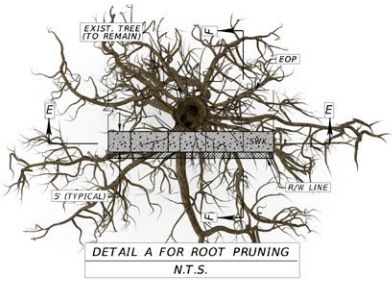
Description:
Areas where a new sidewalk is proposed and there are large existing trees directly in the footprint of that walk.

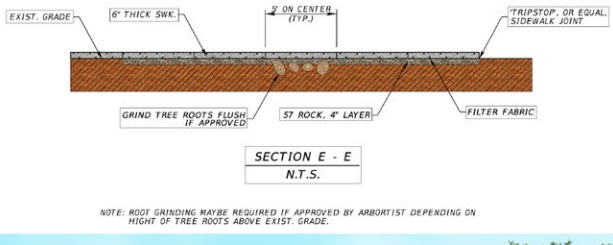
Strategy and Recommendation:
We propose that the concrete sidewalk be stopped at the edge of the critical Root Zone, and a Flexi-Pave path be installed between the tree and the roadway. This would require a small section of curb at the street edge. The curb would allow for the Flexi-Pave to sit above the root system, and provide a safer environment for the pedestrians using the sidewalk. The Flexi-Pave creates and ADA compliant walking surface and allows for the large trees to remain.

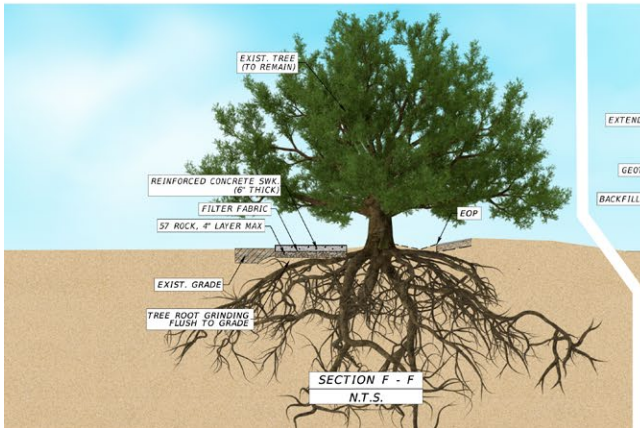


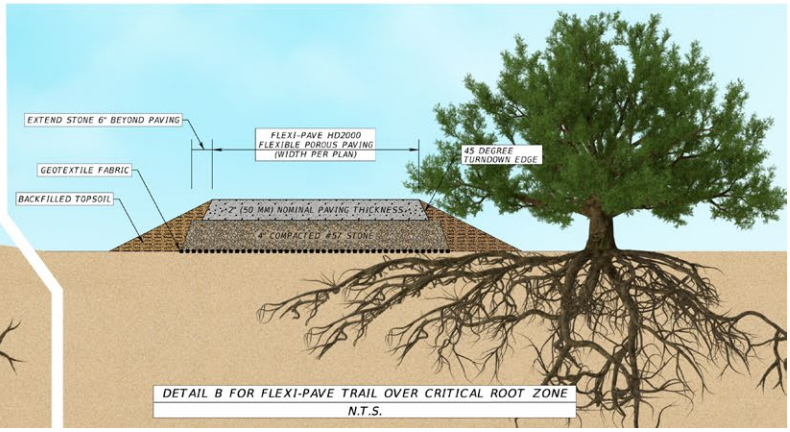


City Arborist will be consulted, and removal may be proposed with appropriate mitigation or replacement. Landscape encroachments such as decorative driveways, fences, and planter walls will be documented during field review **(as shown on the next page at the top).** Property owners will be notified through written correspondence and public meetings. Final designs will include protection zones, removal limits, and restoration plans in accordance with City policies.









Maintenance of Traffic (MOT)

This project will be constructed in accordance with FDOT Standard Plans Index 102-600 series. Our Temporary Traffic Control Plan (TTCP) is designed to establish safe and efficient work zones that preserve mobility for all users while minimizing disruptions during construction activities. TTCP will ensure continuous and accessible ADA compliant pedestrian/bicyclist routes throughout the construction corridor. Emergency access will be maintained at all times for fire and police first responders operating within the project area. As confirmed through coordination with Broward County Transit (BCT), there are transit stops along Sheridan Street, SR 7/US 441, and Taft Street and N 56 Avenue; therefore, bus stop accommodation is anticipated.

To safely accommodate pedestrian/bicycle traffic during sidewalk and ramp reconstruction, we will implement temporary pedestrian detour plans that align with FDOT Standard Plans 102-660 and 102-661. These detour plans will clearly illustrate the phasing sequence of ramp closures and re-openings, ensuring that safe alternate paths are provided throughout the duration of construction. This approach reflects our commitment to maintaining public safety, accessibility, and regulatory compliance during project execution.

Work Zone Hourly Restrictions: To minimize impacts on the surrounding community and ensure safe passage for residents, construction work hours will adhere to the City of Hollywood's standard work zone restrictions. Work within the public ROW will generally be permitted between 8:00 a.m. and 6:00 p.m., Monday through Saturday and all day Sunday. No work will be performed on weekends or observed City holidays unless prior written approval is granted by the City Engineer.

Lane closures, sidewalk interruptions, or other temporary access restrictions will be implemented only during approved hours and in strict coordination with the City. Advance notification signage and coordination with adjacent property owners will be conducted to minimize disruptions. These restrictions are designed to ensure a safe work environment, reduce traffic impacts, and maintain access for local residents, schools, and emergency services.

Geotechnical Services

If deemed necessary by the City or required for drainage or pavement section analysis, HBC will perform geotechnical exploration in accordance with the FDOT Soils and Foundations Handbook. The HBC team will re-use as much data as possible to reduce costs and time associated with geotechnical field and laboratory testing programs. The geotechnical exploration program will consist of marking the locations in the field, notifying 811-Sunshine, performing ground penetrating radar (GPR) scanning at each borehole location to detect presence of privately owned utilities, obtaining a right-of-way permit from the Broward County, preparing a temporary traffic control plan, conducting the field exploration program activities, and restoring the borehole sites to original condition. We will use multiple drill rigs to minimize impact to traffic by taking advantage of a single lane closure and to expedite the drilling schedule. After the performance of the field exploration program, all samples will be delivered to our office so a geotechnical engineer can visually classify all soil/rock samples and obtain representative specimens for laboratory testing.

Public Involvement

The HBC team provides media relations in both English and Spanish, marketing, graphics services, digital strategy, organization of business interests, grassroots door-to-door consensus building, and serves as a spokesperson for various agencies and municipalities in South Florida. The HBC team believes a key component of a successful public involvement approach is the constant need to inform and educate the public about construction activities that could impact their quality of life. Early and often coordination has been, and continues to be, vital to gaining consensus, as well as meeting with municipal staff early to determine potential issues and impacts. A proactive, not reactive, approach has allowed our Public Information Officers (PIOs) to stay on top of issues and concerns and incorporate exceptional strategies we envisioned into the outreach plan for each project.

Approach

Our approach to this project leverages on past opportunities to coordinate public involvement efforts for several similar projects and we are very familiar with the issues that will affect the residents, businesses and other stakeholders. This project calls for robust public involvement to provide the City of Hollywood (“the City”) an opportunity to receive input from the public, property owners, developers as well as from the local municipalities. Issues and concerns associated with this project will warrant early and transparent outreach.

The specific goals which will be implemented include:

- Establish a Community Awareness Plan or Public Participation Plan with direct coordination with the City’s Communications, Marketing & Economic Development Director, Joann Hussey
- Coordinate early and often, with businesses, residents and other entities to allow interaction among stakeholders
- Meet with representatives and elected officials
- Maximize the municipalities’ communication resources to get the word out and increase public involvement in the process
- At least one Public Meeting will be held to share information about the proposed project and the anticipated impacts during construction. HBC will assist with the preparation, attendance and follow-up of this meeting
- Record all comments and commitments to providing solid documentation.

Cultural Resource

The HBC team has successfully prepared numerous LAP projects within the FDOT District 4 service area, and all cultural resources documents have received concurrence from the State Historic Preservation Officer/Florida Division of Historical Resources. The HBC team can assist with any necessary documentation that is required by the Programmatic Agreement among the Federal Highway Administration

(FHWA), the Florida Department of Transportation (FDOT), the Advisory Council on Historic Preservation (ACHP), and the Florida State Historic Preservation Officer (SHPO) Regarding Implementation of the Federal-Aid Highway Program in Florida.

Our team has expertise in producing LAP documentation according to the FDOT requirements and has received concurrence on every LAP report prepared for municipalities or directly for the Department. Our team has completed recent LAP projects for Fellsmere, Hallandale Beach, Lake Worth, West Palm Beach, and recently completed a larger PD&E Study for I-95 in the City of Hollywood. A key aspect of this project will be the development of an Area of Potential Effect (APE). There are numerous (over 240) historic resources adjacent to the proposed sidewalk improvements and the APE will determine what historic resources will be documented. Although the project corridor is urbanized, archaeological shovel tests will also be excavated in any undisturbed locations in keeping with DHR standards. A Cultural Resources Assessment Survey (CRAS) will include all historic and archaeological resources that fall within the APE and will assess their significance.

Project Approach

Once the notice to proceed (NTP) is given, the HBC's Team approach is:

- Meet with City of Hollywood, obtain and review existing sidewalk information,
- Perform field review,
- Conduct sidewalk inventory from existing plans and field review,
- Generate prioritization list with cost/benefit analysis of repairs,
- Contact utility companies,
- Coordinate tree/landscape with City, property owners, and arborist,
- Initial submittal,
- Constructability submittal, and
- Production submittal.

Project Schedule & Coordination with Adjacent Projects

HBC will maintain a detailed project schedule using Primavera P6 or Microsoft Project, updated monthly and submitted with progress reports. Major milestones will include survey, environmental clearance, each plan submittal phase, and bid support activities. Phase deliverables will follow LAP production timelines and quality assurance procedures.

We will actively coordinate with adjacent projects including:

- Robert Lopes, PM for SR-7/US-441 Transit Corridor Improvements Group/Priority 9, FPID 429576-9-52-01/02
- Landy Ductan, PM for City of Hollywood Various Location LAP FPID 443976-1-52-01.

Project Quality Control, Quality Assurance, and Constructability Reviews

Our Team will tailor our Quality Control Plan (QCP) specifically to this project using the district 4 Quality Control Plan for Project Design as posted in the District's Knowledge Base, including specific phase submittal completeness checklists.

Key components of our Product QC review process include:

Quality Control (QC) Reviews

Quality Control reviews will be performed by senior-level professionals designated by the QC Manager who have had no prior involvement in the development of the plans or related submittal components. The assigned QC reviewer will conduct independent field verification to assess the proposed design's compatibility with existing conditions, including ROW constraints, potential utility conflicts, drainage features, and topographical variations.

As part of our Quality Control (QC) process, we will conduct thorough cross-referencing with adjacent design project plans to ensure full coordination and consistency. This step is essential given the number of concurrent LAP and MPO initiatives within the City of Hollywood. HBC follows a documented and proven QA/QC Plan, leveraging Bluebeam as a collaborative review platform. All deliverables whether produced by HBC or subconsultant team members will undergo a rigorous five-step QA/QC process, including review, concurrence, correction, and verification. These procedures align with FDOT FDM Chapters 124 and 125 and are tailored to the specific requirements of each Task Work Order (TWO).

Quality Assurance (QA) Reviews

Edgar Diaz, P.E. (HBC) will conduct independent QA audits of the reviewed products already subjected to QC review to verify compliance with the QCP. The Reviewer in Charge will be responsible for certifying that each formal deliverable submitted to FDOT D4 has undergone a compliant review process per the QCP. Certification will be documented through signed QA/QC checklists and verification statements included in the submittal package. Our internal QA/QC process ensures constructability and biddability at every design phase, reducing the likelihood of supplemental agreements during construction. Our familiarity with LAP deliverables, including topographic surveys, digital terrain models (DTMs), and design submittals at 60%, 90%, and 100% phases, guarantees streamlined coordination with City and FDOT reviewers.

Our team has a documented and proven QA/QC Plan, using Bluebeam as a collaborative tool to ensure that all deliverables, whether completed by HBC or a team member, undergo our 5-step QA/QC process with checking, concurrence, corrections, and verification steps crafted per FDM Chapters 124 and 125 and tailored to each TWO's specific needs.

Constructability Reviews

HBC will perform constructability reviews during each design milestone to proactively identify and resolve elements that may result in field implementation challenges, change orders, or schedule delays. These reviews will evaluate construction sequencing, work zone access, material staging areas, utility relocation timing, and maintenance of traffic requirements. Emphasis will be placed on minimizing impacts to the public, maintaining emergency access, and ensuring compliance with FDOT and City standards. One of the first deliverables submitted to the FDOT D4 following Notice to Proceed (NTP) will be the project specific QCP. This document will outline the procedures, responsibilities, and protocols to be followed throughout the life of the contract. All project activities will be executed in strict adherence to the QCP to maintain design integrity, reduce risks, and uphold LAP program requirements.

Proposed Staffing & Availability

HBC is well positioned to successfully deliver the Sheridan Park LAP assignment, leveraging our extensive experience with similar projects in Broward and Miami-Dade Counties. Our team group is currently engaged in multiple LAP funded initiatives, and the Sheridan Park project aligns seamlessly with our workload. To ensure uninterrupted progress and adherence to the 365-day schedule outlined in the RFQ, we have pre-assigned a dedicated team of project managers and design professionals. This team is fully able to begin work immediately, with the capacity and expertise necessary to meet all project milestones efficiently and effectively.

Our current workload is strategically managed to maintain a high level of quality and responsiveness. This contract integrates directly into our sidewalk and multimodal infrastructure practice. Our team is readily available for field reviews, stakeholder engagement, and plan development in accordance with the expedited timelines specified in the RFQ.

The HBC Team has assembled a highly qualified and multidisciplinary group of professionals to support the successful delivery of the City of Hollywood's Sheridan Park and Hollywood Acres Sidewalk Improvement Project. Each team member brings specialized expertise in their respective discipline and will play a critical role in ensuring that the project complies with FDOT LAP standards, meets City objectives, and is delivered on schedule and within budget.

Hernan Lugo, MS, PE will serve as the Project Manager and Lead Roadway Engineer, bringing extensive experience in managing FDOT LAP projects. Mr. Lugo is 100% available and will be responsible for overall project coordination, schedule management, and the production of construction-ready plans.

Edgar Diaz, PE will act as the Lead Quality Assurance and Quality Control (QA/QC) Manager. With decades of experience overseeing transportation infrastructure design, Mr. Diaz will ensure the project adheres to rigorous QA/QC protocols. He is 90% available for the duration of the project.

Christopher Soto, PE, RSO will serve as the Lead LAP Compliance Specialist, leveraging his knowledge of FDOT LAP procedures to ensure all design and documentation align with state and federal funding requirements. Mr. Soto is 75% available.

Sonny Abia, PhD, PE will serve as the Utility Coordinator, overseeing the identification and coordination of utility conflicts, transmittals, and relocation planning. He is 75% available and will ensure all utility impacts are resolved in accordance with FDOT's Utility Accommodation Manual.

Todd Mohler, RLA, ISA, IA will lead the Landscape Architecture component of the project. Mr. Mohler will address streetscape enhancements, tree preservation, and sidewalk harmonization strategies, and is 35% available for design consultation and permit support.

Nadia G. Locke, PE, LEED AP will provide environmental expertise as the Lead Environmental and Permitting Engineer, ensuring compliance with environmental regulations, including ERP, NPDES, and SWPPP requirements. Ms. Locke is 45% available.

Kenneth Hardin will be the Lead Cultural Resources Specialist, responsible for managing the Cultural Resource Assessment Survey (CRAS), including coordination with the State Historic Preservation Office (SHPO). He is 60% available.

Paulette Summer will serve as the Lead Public Involvement Officer, organizing community outreach, stakeholder engagement, and coordination with adjacent property owners. She is 60% available to facilitate proactive public participation and communication.

Frank Paruas, PSM, will lead the Topographic Surveying effort, ensuring accurate mapping of existing field conditions, utility locations, and right-of-way features. He is 75% available and will oversee the survey's deliverables in compliance with FDOT standards.

Wesley C. Foster PE, SI, MBA will lead the Geotechnical effort, ensuring each project meets environmental and regulatory requirements. He is 75% available.

James Pepe, Chief Archaeologist, will provide Cultural Resources expertise for this project. He is 50-60% available.

This strategic team composition ensures technical depth, FDOT LAP compliance, and resource availability aligned with the project's scope, schedule, and complexity.

Relevant Project Experience:

- Broward County Hollywood Gardens Sidewalk
- SR 858/Hallandale Beach Boulevard
- SR 7/US 441 Transit Corridor Improvements
- The Hammocks Signage Project
- SR 7/NW 7th Ave Safety Improvement, FDOT D6
- Hallandale Beach Boulevard, FDOT D4
- SW 147th Ave/Tree Island Park Rehabilitation, Miami-Dade Transit
- SR-817/University Drive from Nova Drive to SR-84

Workload and Resource Capacity

HBC is fully prepared to support the Sheridan Park LAP Improvements project with the staffing, availability, and oversight necessary to meet all schedule milestones. We currently maintain a well-balanced project portfolio, and our resource planning ensures we do not pursue contracts unless we can confidently commit qualified personnel and maintain delivery standards. This disciplined approach has enabled us to consistently meet deadlines across LAP, FDOT, and municipal contracts throughout South Florida.

Averaging 80.97% Staff Availability

Well-resourced. Ready to Mobilize.

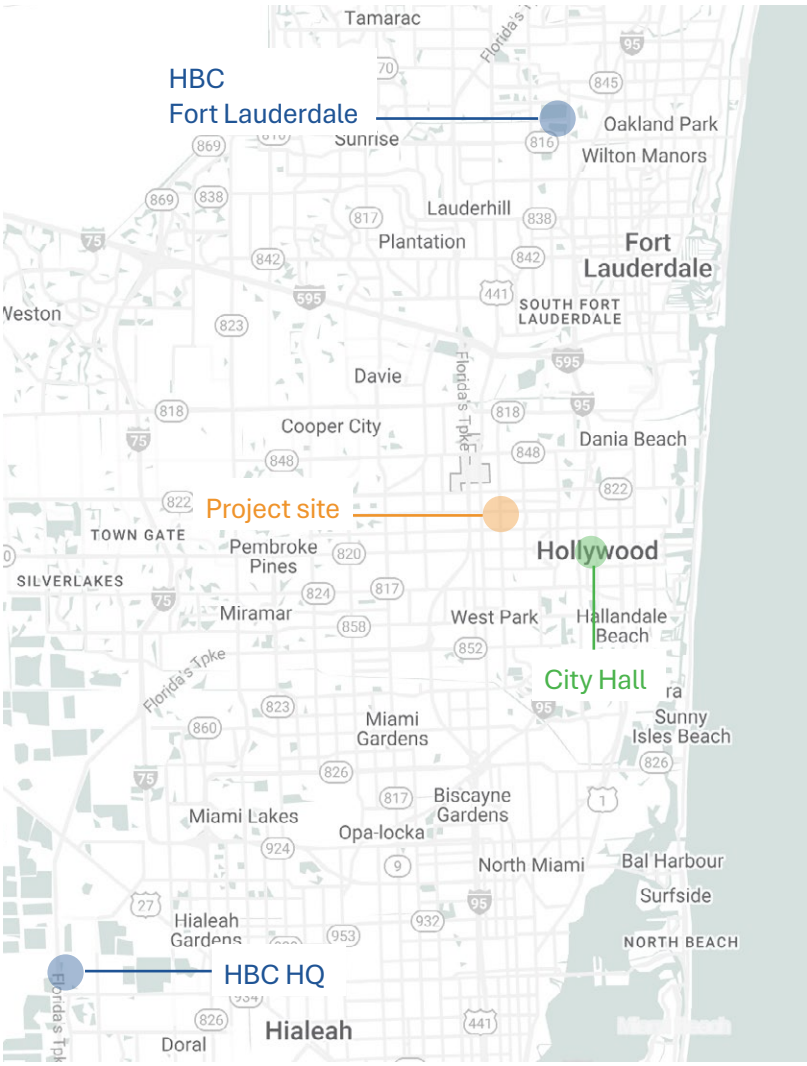
Our team availability averages over 70%, and our proposed Project Manager is 90% available, ensuring focused leadership and timely task execution. Weekly internal reviews and resource allocation meetings allow HBC to adapt dynamically to project needs without sacrificing quality or schedule.

Our team includes over 322 engineers and technicians with and overall team availability exceeds 75%, and our proposed Project Manager, Hernan Lugo, MS, PE, is 95% available to provide focused leadership throughout this contract. Weekly internal production meetings and real-time resource allocation allow us to dynamically adjust workloads as needs evolve—ensuring efficient execution without delays.

In parallel, our internal QA/QC protocols are structured to support constructability and biddability at every design stage. We are highly experienced with LAP deliverables, including topographic surveys, DTMs, and phased submittals at 60%, 90%, and 100%. This familiarity ensures streamlined coordination with FDOT and City reviewers and minimizes the risk of supplemental agreements during construction.

With the available bandwidth of both inhouse staff and committed subconsultants, HBC has the capacity to meet the City of Hollywood's timeline expectations and deliver a fully compliant, high-quality project from start to finish.

Proximity to the Project



Technological Capabilities and Facilities

At HBC, we recognize that delivering technologically advanced services to our clients requires a solid internal technological infrastructure. We maintain a robust network of computer-aided design (CAD), building information modeling (BIM), Geographic Information System (GIS) stations, and advanced project management software. These tools enable us to offer precise and efficient design solutions, ensuring all projects meet high standards.

Design Software & Tools: We utilize state-of-the-art CAD and BIM platforms, which allow us to develop accurate and detailed design models that can quickly adapt to project changes. These tools are integrated across our network, ensuring all stakeholders can access the most up-to-date project information.

Project Management Systems: Our sophisticated project management software allows us to track progress, allocate resources, and manage timelines effectively. This ensures that all project phases—from planning to execution—are well-coordinated and meet established milestones. Project managers have real-time access to cost data and performance metrics, helping us deliver projects on time and within budget.

Geospatial & Surveying Technology: To further enhance our precision, we employ advanced geospatial tools such as GIS and GPS for projects requiring surveying or subsurface utility engineering. These technologies provide accurate and reliable data critical for making informed decisions about design and construction.

Drone Technology: We are also pioneers in incorporating drone technology into our surveying and inspection processes. Our uncrewed aerial vehicles (UAVs) capture high-resolution imagery and 3D data, allowing us to conduct aerial surveys, monitor construction progress, and identify potential issues with unparalleled accuracy. Drone technology enables rapid data collection over large areas, reducing time and labor costs while improving project efficiency and safety.

Centralized Networking: HBC maintains a centralized data storage and networking infrastructure, ensuring seamless sharing of CADD files, GIS data, and other critical project information. Our system supports efficient drawing management and cross-disciplinary collaboration, ensuring that all team members across multiple locations can work cohesively.

Sustainable Engineering Practices: We integrate sustainable engineering solutions throughout our projects, advocating for energy-efficient designs and environmentally responsible practices. Our designs prioritize resource management and long-term sustainability, aligned with eco-friendly infrastructure development.

Custom IT Solutions: HBC's Technology Solutions Group extends beyond core engineering services by offering specialized IT services such as database development, web design, and custom application creation. This enables us to enhance project delivery with tailored technological solutions that address each client's and project's needs.

By leveraging cutting-edge technology like drones, efficient project management systems, and centralized technological infrastructure, HBC is well prepared to deliver innovative, cost-efficient, high quality services.

Project Management and Coordination Approach

Strategies for Controlling the Project Design Schedule.

HBC Engineering Company (HBC) is committed to completing the design phase of the City of Hollywood – Various Locations / Sheridan Park LAP Project in alignment with the LAP schedule milestones and project delivery expectations. We will develop a detailed project schedule using standard tools such as Primavera P6 or Microsoft Project. The schedule will include logical and achievable tasks, critical path activities, and milestones, and will incorporate ample time for City and FDOT LAP review periods, permitting agency coordination, and comment resolution processes.

Upon Notice to Proceed (NTP), a project kickoff meeting will be held with the City's Project Manager, FDOT LAP coordinators, and other key stakeholders to review and finalize the schedule, deliverable deadlines, and coordination protocols. Monthly progress reports and biweekly meetings (virtual or in-person) will be implemented to monitor schedule adherence, identify delays early, and adjust work plans to maintain momentum and milestone completion.

Strategies for Controlling the Project Budget.

HBC will monitor project costs beginning Day 1 and throughout the design lifecycle. Our approach includes:

Design: To maintain strict budget control during the design phase, HBC will implement a proactive cost management approach by regularly updating cost estimates to reflect current design progress. Scope creep will be carefully managed by tracking all changes resulting from ERC comments, stakeholder input, and field discoveries, with concurrence from the City of Hollywood to ensure alignment with project objectives. Project issues will be continuously reviewed, and alternative solutions will be analyzed to mitigate unnecessary scope growth. Additionally, design progress will be tracked using a payout curve, ensuring that invoice values remain consistent with the planned budget and that financial forecasting remains accurate throughout the design lifecycle.

Construction: During construction, HBC will develop and update detailed cost estimates at each design milestone (30%, 60%, 90%, and 100%) to ensure accurate fund allocation and compliance with LAP documentation and pay item standards. Engineer Cost Breakdowns will be prepared for all lump sum pay items, supported by field verification to validate constructability. At the 90% design phase, the CEI Project Engineer will conduct on-site field reviews to confirm constructability, reduce contractor RFIs, and prevent costly delays. Early identification and resolution of constructability issues will be prioritized to maintain schedule integrity and control construction costs effectively.

Our experience delivering the 7.5-mile Hollywood Gardens Sidewalk Project and multiple Safe Routes to School programs equips us with cost-saving techniques, including simplified sidewalk treatments for constrained corridors and root-zone treatments to minimize tree removals.

Project Coordination & Stakeholder Engagement.

We will employ a proactive coordination with City, subconsultants, external agencies, and stakeholders around the following principles:

City Coordination: All project communication will be centralized through HBC's Project Manager, Hernan Lugo, PE, who will coordinate directly with the City's PM and disseminate updates to the design team and subconsultants.

Monthly Progress Meetings: Formal updates will include technical, budget, and schedule progress, supported by meeting minutes and updated project tracking tools.

Communication Protocols: Defined during kickoff and reinforced via Microsoft Teams and Bluebeam Studio for real time updates and shared access.

Subconsultant Integration: Defined scopes and responsibilities will be issued at project initiation. Biweekly coordination meetings will be held to manage cross disciplinary activities and ensure quality and timely deliverables.

Public Engagement: We will coordinate public outreach, including property owner notifications and workshops, to collect feedback and foster community support.

Coordination with Subconsultants

The firms comprising our team have a proven history of successful collaboration on complex, multi-disciplinary projects. Notable examples include:

NE 2nd Avenue Reconstruction: 1-mile full reconstruction from NE 20th Street to SR 25/NW 36 Street.

NW 84th Avenue Improvements: From NW 58th Street to NW 74th Street.

SR-7/US-441 Transit Corridor Improvements: From Orange Drive to NW 31st Avenue.

On both projects, HBC led a team of subconsultants to develop and submit 100% design plans simultaneously, completing both within an accelerated 18 month schedule.

Each subconsultant will be integrated into the

project team from the outset with clearly defined roles and responsibilities.

The HBC Project Manager will:

- Oversee subconsultant performance.
- Ensure deliverables meet quality standards and are submitted on schedule.

Biweekly design coordination meetings will be conducted to:

- Review ongoing design decisions.
- Plan upcoming activities.
- Address schedule-related issues.

Meetings will be held at HBC's office and led by Hernan Lugo, PE, who will document all design decisions in detailed meeting minutes.

The team will follow FDOT processes and procedures as a foundational framework, tailored to meet the specific requirements of the City of Hollywood.

Hollywood Gardens Sidewalk Complete Streets Project

To illustrate our approach in practice, the Hollywood Gardens Sidewalk Complete Street Project is a prime example of HBC's capabilities. For this Broward County MPO Complete Streets initiative, HBC provided comprehensive design services to enhance multimodal connectivity for pedestrians and cyclists in the Hollywood Gardens Beach area, known as the Hollywood Big X. HBC served as the Engineer of Record, handling critical aspects such as utility coordination, drainage report preparation, sidewalk harmonization, parking layout, lighting upgrades, and landscape adjustments. We also oversaw the design and construction of new sidewalks, designated bike lanes, and shared-lane facilities to create a safe, accessible corridor.

Key project elements included the development of construction documents, a detailed SWPPP (Stormwater Pollution Prevention Plan), and Temporary Traffic Control Plans, all designed to meet FDOT standards. Throughout the project, HBC addressed public concerns and design challenges, such as coordinating with property owners on right-of-way encroachments and managing utility conflicts. This project reflects HBC's commitment to delivering high quality, client-centered solutions prioritizing safety, accessibility, and community needs.

Agency Coordination and Issue Resolution

In addition to supporting the city with public outreach campaign, we understand the importance of gaining consensus from agencies with jurisdiction over the project. We recognize that public perception and community support are essential to the success of any infrastructure project. Our Team will support the city's community outreach plan, including public meetings, informational sessions, and regular updates through various media channels.

Issue Resolution: Our Team will be prepared to address any concerns or issues raised by stakeholders promptly. We will establish a formal issue resolution process, ensuring that all concerns are documented, addressed, and resolved in a manner that is satisfactory to all parties involved.

Agency Coordination: We will engage early and continuously with relevant agencies to ensure that all regulatory requirements are met. This proactive approach will help mitigate potential delays related to permitting and approvals.

Risk Management and Resource Allocation.

To deliver high-quality design services on time and within budget, we will implement a comprehensive resource allocation and risk management plan:

Staffing Plan: Our staffing plan is designed to provide the right mix of expertise and experience at each stage of the project. Key personnel will be allocated, based on the specific needs of each task, with additional resources available, as needed, to meet project demands. We will maintain flexibility in our staff to adapt to changes in project scope or schedule. We will leverage the latest software design programs, including AutoCAD Civil 3D, MicroStation, and Bentley OpenRoads, to ensure accuracy and efficiency in our design work. Additionally, our project management tools will facilitate real-time tracking of each project's progress, enabling us to respond quickly to any issues that arise.

Risk Management: At the outset of the project, HBC will conduct a comprehensive risk assessment to identify potential risks associated with design, right of way, permitting, construction, and stakeholder engagement. HBC's team will evaluate each risk based on its likelihood and potential impact on the project's scope, schedule, and budget. Through a collaborative Risk Assessment (RA) Workshop, we will bring together multidisciplinary experts to thoroughly analyze and quantify risks, ensuring a holistic understanding of project vulnerabilities. For each identified risk, HBC will develop tailored mitigation strategies, which may include design modifications, schedule adjustments, or the inclusion of contingency plans to minimize potential disruptions. These mitigation strategies will be actively incorporated into a risk register, which will be continuously updated throughout the project to account for emerging risks. To further safeguard project success, HBC will allocate contingency allowances in both the budget and schedule, ensuring flexibility to address unforeseen events.

Quality Assurance/Quality Control (QA/QC).

The HBC Team's Quality Control Plan (QCP) will be submitted within ten (10) days following the execution of the contract. The QCP will delineate the professional duties and responsibilities of each team member involved in the creation of engineering documents, including plans, inspections, reports, studies, calculations, or any other deliverables assigned to the HBC Team by FDOT or the City of Hollywood. Our QCP outlines a comprehensive process designed to minimize rework, eliminate errors and omissions, reduce construction claims, and optimize the use of design and construction funds. The QCP adheres to the guidelines specified in FDM Chapters 124 and 125, featuring a 5-step, color-coded check/back-check process conducted by independent senior staff. Additionally, all deliverables, including those from our partnering teams, will undergo Quality Assurance (QA) certification. To ensure a seamless and efficient QC process, we employ Bluebeam Studio Sessions and the HBC custom toolbox.

Edgar Diaz, MS, PE, PSM | Quality Assurance/Quality Control Manager

Edgar Diaz, MS, PE, PSM, will oversee the Quality Assurance process as HBC's Quality Assurance Manager. With over 36 years of extensive experience, Edgar will be supported by a dedicated quality control team, and Constructability Review specialist, Michael Schawe. A centralized QC calendar managed by HBC will coordinate all review processes, ensuring timely adherence to project schedules.

The HBC Team's Design Project Managers, along with HBC staff and subcontractors, will submit each set of plans to our constructability review team at each project phase. This collaborative effort will ensure thorough constructability and maintainability evaluations, aiding the EOR and design team in producing fully functional and constructible plans. Michael Schawe, HBC's CEI Project Manager, brings over 48 years of experience in the Construction Engineering and Inspection (CEI) industry, specifically in highway and bridge construction and FDOT plan reviews. His expertise is crucial in preventing time and cost impacts by ensuring that all plans are feasible for construction.

Conclusion

HBC Engineering Company is uniquely qualified to deliver this LAP-funded sidewalk improvement project for the City of Hollywood **(as shown at the top).** Our proven approach to sidewalk and shared use path design reflects a deep understanding of FDOT's Local Agency Program (LAP) requirements, combined with hands-on experience coordinating with municipal agencies and residents in urban, residential environments. Notably, HBC successfully designed the Broward County Hollywood Gardens Sidewalk Project, a 7.5-mile initiative located adjacent to the current project limits. A map of that project has been included for reference.

Our integrated approach incorporates context-sensitive geometric design, ADA compliance, stormwater mitigation, and robust community engagement. The inclusion of a shared use path along North 58 Avenue from Taft Street to Sheridan Street exemplifies our commitment to enhancing multimodal mobility and safety. By strategically applying Complete Streets principles and balancing design priorities with right-of-way, environmental, and utility constraints, we ensure that the final product is functional and community supported.

HBC offers the City of Hollywood a capable, responsive team with extensive LAP experience, a successful track record in delivering similar infrastructure projects, and a collaborative mindset committed to transparency, quality, and accountability. We are confident in our ability to deliver a constructible, bid-ready design that meets the City's goals for connectivity, safety, and long-term community value.

Tab F

References

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-327-25-WV
Reference for: HBC Engineering Company

Organization/Firm Name providing reference: Florida Department of Transportation D4
Organization/Firm Contact Name: James Hughes, PE
Title: Consultant Management PM - Supervisor
Email: james.hughes@dot.state.fl.us
Phone: 954-777-4419
Name of Referenced Project: Hallandale Beach Blvd from SR7 to Lakeshore Dr.
Contract No: C-9519
Date Services were provided: 10/2014
Project Amount: $900K

Referenced Vendor's role in Project: ☒ **Prime Vendor** ☐ **Subcontractor/ Subconsultant**

Would you use the Vendor again? ☒ **Yes** ☐ **No. Please specify in additional comments**

Description of services provided by Vendor (provide additional sheet if necessary):
HBC was selected by FDOT as the prime consultant to provide design services for the 1.943-mile milling and resurfacing project along SR-858/Hallandale Beach Boulevard, from east of SR-7/US-441 to west of Lakeshore Drive. The scope included ADA upgrades, shoulder widening for new bike lanes, drainage improvements to address flooding, and updated signage, pavement markings, and signalization.

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☒	☐	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):

******THIS SECTION FOR CITY USE ONLY******						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-327-25-WV
Reference for: HBC Engineering Company

Organization/Firm Name providing reference: Florida Department of Transportation D4
Organization/Firm Contact Name: Kenzot Jasmin, PE
Title: Project Manager
Email: Kenzot.jasmin@dot.state.fl.us
Phone: 954-777-4462
Name of Referenced Project: Hollywood Gardens Sidewalk
Contract No: 434679-1-32-01
Date Services were provided: Project 12/2017
Project Amount: $555K

Referenced Vendor's role in Project: ☒ **Prime Vendor** ☐ **Subcontractor/ Subconsultant**

Would you use the Vendor again? ☒ **Yes** ☐ **No. Please specify in additional comments**

Description of services provided by Vendor (provide additional sheet if necessary):
HBC served as Project Manager and Engineer of Record for the Broward MPO's Complete Streets initiative in the Hollywood Gardens Beach area, delivering design services that included sidewalk and bike lane construction, drainage improvements, utility coordination, parking layout, and lighting upgrades. The team addressed community concerns related to driveway impacts, landscaping encroachments, and ROW adjustments while incorporating bioswales, French drains, and ADA-compliant features into the final construction documents.

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☒	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):
HBC Engineerin Company provided excellent design and management services for the project. The team demostrated professionalism and was very responsive durin the design and consturction of the project.

******THIS SECTION FOR CITY USE ONLY******						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-327-25-WV
Reference for: HBC Engineering Company

Organization/Firm Name providing reference: Florida Department of Transportation D4
Organization/Firm Contact Name: Henry Oaikhena, PE
Title: Project Manager Supervisor
Email: Henry.Oaikhena@dot.state.fl.us
Phone: 954-777-4445
Name of Referenced Project: SW 30 Ave from Griffin Rd. to SW 45 St.
Contract No: C9D49 / FM No: 431757-1-32-01
Date Services were provided: 08/2015
Project Amount: $675K

Referenced Vendor's role in Project: ☒ **Prime Vendor** ☐ **Subcontractor/ Subconsultant**
Would you use the Vendor again? ☑ **Yes** ☐ **No. Please specify in additional comments**

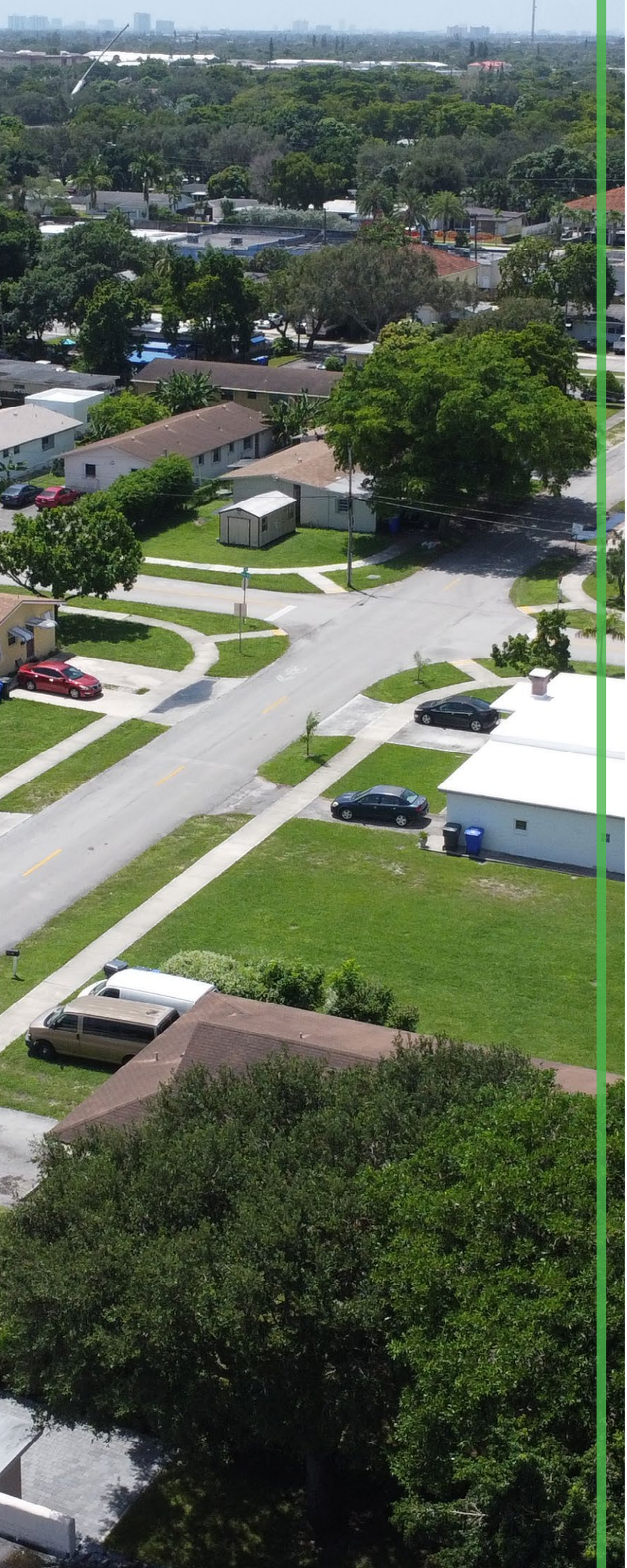
Description of services provided by Vendor (provide additional sheet if necessary):
HBC provided full design services for the widening of SW 30th Avenue, adding bike lanes, ADA-compliant side-
walks, drainage upgrades, lighting, and traffic signal improvements to enhance safety and capacity. The scope
included utility and ROW coordination, environmental permitting, and phased construction plans, ensuring com-

pliance and stakeholder engagement.

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. Responsive	☐	☐	☑	☐
b. Accuracy	☐	☐	☑	☐
c. Deliverables	☐	☐	☑	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☑	☐
b. Professionalism	☐	☐	☑	☐
c. Staff turnover	☐	☐	☐	☑
Timeliness/Cost Control of:				
a. Project	☐	☐	☑	☐
b. Deliverables	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):
HBC Engineering Company was very responsive, professional, and very mindful of customer service satisfaction. Since then they have won several repeated business with FDOT.

******THIS SECTION FOR CITY USE ONLY******						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	



Tab G

Financial Resources

HBC Committed to Excellence

HBC Engineering Company
5200 NW 33rd Avenue, Suite 211
Fort Lauderdale, FL, 33309

July 10, 2025

City of Hollywood
Design and Construction Management
2600 Hollywood Blvd.
Hollywood, FL 33020

RE: RFQ-327-25-WV City of Hollywood - Various Locations / Sheridan Park LAP Project (Re-Bid)– Financial Summary Statement for HBC Engineering Company

To Whom It May Concern:

The purpose of this statement is to declare that **HBC Engineering Company (HBC),** a Florida Type S Corporation established in 2006, is in stable financial condition and fully capable of performing the services outlined in the referenced RFQ. HBC has consistently demonstrated financial strength and operational reliability through steady growth and sound management practices.

HBC is proud to have achieved a Dun & Bradstreet (D&B) Environmental, Social, and Governance (ESG) Ranking of 1.0, signifying the lowest ESG-related risks and best performance compared to peers. This ranking stands out against D&B's industry average of 2.4. Additionally, HBC maintains an above-average rating with the Florida Department of Transportation (FDOT) and other agencies across South Florida.

Since our inception, HBC has preserved a healthy financial position, developed strong working relationships with nearly fifty collaborators in the Miami-Dade region, and maintained an unblemished record free from any prior or current bankruptcy proceedings. Our financial data is confidential and exempt from public disclosure under applicable laws. Should a request for this information arise, please contact us directly.

Should you require any additional documentation or information, please contact me directly at **(786) 477-4614** or via email at **acoker@hbcengineeringco.com.**

Sincerely,

Adebayo Coker, PE
President | Principal-in-Charge
HBC Engineering Company
(305) 232-7932
acoker@hbcengineeringco.com

Tab H

Legal Proceedings & Performance

HBC Committed to Excellence

HBC Engineering Company
5200 NW 33rd Avenue, Suite 211
Fort Lauderdale, FL, 33309

July 10, 2025

City of Hollywood
Design and Construction Management
2600 Hollywood Blvd.
Hollywood, FL 33020

RE: RFQ-327-25-WV City of Hollywood - Various Locations / Sheridan Park LAP Project (Re-Bid)– Legal Proceedings and Performance Statement for HBC Engineering Company

To Whom It May Concern:

The purpose of this statement is to declare the following regarding **HBC Engineering Company (HBC)** in response to the legal and financial history disclosures requested in RFQ-327-25-WV:

1. **Liquidated Damages and Termination for Default**
   HBC has never paid liquidated damages on any project and has never been terminated for default by any client since its founding in 2006.
2. **Arbitrations**
   HBC has not been a party to any arbitration proceedings, either as claimant or respondent, within the last five (5) years.
3. **Lawsuits**
   HBC has not been involved in any lawsuits (excluding labor or personal injury litigation) as either plaintiff or defendant within the last five (5) years.
4. **Other Proceedings**
   HBC has not been the subject of any lawsuits, administrative proceedings, or hearings initiated by the National Labor Relations Board (NLRB), the Occupational Safety and Health Administration (OSHA), or any similar state or federal agency concerning labor practices or jobsite safety within the last five (5) years.
5. **Bankruptcies**
   HBC, including its parent or any subsidiary companies, has never filed for bankruptcy, voluntarily or involuntarily.
6. **Contract Termination by Other Party**
   No contract to which HBC has been a party has ever been terminated by the client or any other contracting party.
7. **Use of Bonding Monies**
   HBC has never had to use bonding monies to complete a project or to pay a subconsultant or supplier.

We affirm that the above information is accurate and complete to the best of our knowledge. Should you require any additional documentation or information, please contact me directly at **(305) 555-1234** or via email at **acoker@hbcengineeringco.com.**

Sincerely,

Adebayo Coker, PE
President | Principal-in-Charge
HBC Engineering Company
(305) 632-52802 | acoker@hbcengineeringco.com

Tab I

Required Forms/ Exhibits

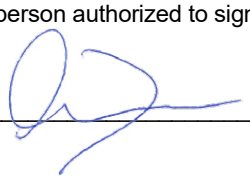
(FDOT Forms)

DRUG-FREE WORKPLACE PROGRAM

IDENTICAL TIE BIDS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall: **NOT APPLICABLE TO FEDERALLY FUNDED PROJECT 287.087 F.S.**

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program (if such is available in the employee's community) by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of these requirements.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



_____ Adebayo Coker, PE

SIGNATURE PRINTED NAME

HBC Engineering Company

NAME OF COMPANY

RFQ Number: 327-25-WV Title: City of Hollywood - Various Locations/ Sheridan Park LAP Project (Re-Bid)

NON-COLLUSION AFFIDAVIT

STATE OF: Florida

COUNTY OF: Miami-Dade, being first duly sworn, deposes and says that:

(1) He/she is Adebayo Coker, PE of HBC Engineering Company, the Bidder that has submitted the attached Bid.

(2) He/she has been fully informed regarding the preparation and contents of the attached Bid and of all pertinent circumstances regarding such Bid;

(3) Such Bid is genuine and is not a collusion or sham Bid;

(4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the contractor for which the attached Bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(SIGNED) Adebayo Coker, PE
President
Title

Subscribed and sworn to before me this

12 day of July, 20 25

Notary Public State of Florida
Elena Garcia
My Commission HH 648601
Expires 3/14/2029

My commission expires: 03/14/2029

RFQ Number: RFQ-327-25-WV Title: City of Hollywood - Various Locations/ Sheridan Park LAP Project (Re-Bid)

STATEMENT OF QUALIFICATION CERTIFICATION

Please Note: 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) HBC Engineering Company

Name/Principal/Project Manager: Adebayo Coker, PE

Address: 5200 NW 33rd Avenue, Suite 211

City: Fort Lauderdale State: FL Zip: 33309

Telephone No. (305) 232-7932 **FEIN/Tax ID No**. 22-3936061 Email: proposals@hbcengineeringco.com

Does your firm qualify for DBE : YES ☑ NO _____

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

Addendum No.	Date Issued	Addendum No.	Date Issued
N/A			

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. If this section does not apply to your bid, simply mark N/A. **If submitting your response electronically through OPENGOV you must click the exception link if any variation or exception is taken to the specifications, terms and conditions.**

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, hereby agrees that in no event shall the City's liability for respondent's 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:

Adebayo Coker, PE
Name (printed)

Signature

5/28/25
Date:

SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS

1. This form statement is submitted to City of Hollywood
by Adebayo Coker, PE for HBC Engineering Company
(Print individual's name and title) (Print name of entity submitting sworn statement)
whose business address is 5200 NW 33rd Avenue, Suite 211, Fort Lauderdale, FL 33309
and if applicable its Federal Employer Identification Number (FEIN) is 22-3936061 If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

2. I understand that "public entity crime," as defined in paragraph 287.133(1)(g), Florida Statues, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misinterpretation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that "Affiliate," as defined in paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime, or
2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5 I understand that "person," as defined in Paragraph 287.133(1)(e), Florida Statues, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

☑ Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime, but the Final Order entered by the Hearing Officer in a subsequent proceeding before a Hearing Officer of the State of the State of Florida, Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

_____
(Signature)

Sworn to and subscribed before me this 12 day of July, 20 25.

Personally known Adebayo Coker

Or produced identification N/A Notary Public-State of Florida

N/A my commission expires 03/14/2029
(Type of identification)

Notary Public State of Florida
Elena Garcia
My Commission HH 648601
Expires 3/14/2029

Elena Garcia
(Printed, typed or stamped commissioned name of notary public)

RFQ Number: RFQ-327-25-WV Title: City of Hollywood - Various Locations/ Sheridan Park LAP Project (Re-Bid)

HOLD HARMLESS AND INDEMNITY CLAUSE

(Company Name and Authorized Representative's Name)

, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney's fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.

FDOT LANGUAGE – IT IS REQUIRED PER LAP AGREEMENT

"To the extent provided by law, CONSULTANT shall indemnify, defend, and hold harmless the CITY and the State of Florida, Department of Transportation, including the Department's officers, agents, and employees, against any actions, claims, or damages arising out of, relating to, or resulting from negligent or wrongful act(s) of CONSULTANT, or any of its officers, agents, or employees, acting within the scope of their office or employment, in connection with the rights granted to or exercised by CONSULTANT. The foregoing indemnification shall not constitute a waiver of the Department's or the City's sovereign immunity beyond the limits set forth in Florida Statutes, Section 768.28. Nor shall the same be construed to constitute agreement by CONSULTANT to indemnify CITY for the negligent acts or omissions of CITY, its officers, agents, or employees, or third parties. Nor shall the same be construed to constitute agreement by CONSULTANT to indemnify the
the negligent acts or omissions of the Department, its officers, agents, or employees, or third parties. This indemnification shall survive the termination of this Agreement."

SIGNATURE	Adebayo Coker, PE PRINTED NAME
HBC Engineering Company COMPANY OF NAME	6/12/25 DATE

Failure to sign or changes to this page shall render your bid non-responsive.

SOLICITATION, GIVING AND ACCEPTANCE OF GIFTS POLICY

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. - "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby.". The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City does business.

The State of Florida definition of "gifts" includes the following:

Real property or its use,
Tangible or intangible personal property, or its use,
A preferential rate or terms on a debt, loan, goods, or services,
Forgiveness of indebtedness,
Transportation, lodging, or parking,
Food or beverage,
Membership dues,
Entrance fees, admission fees, or tickets to events, performances, or facilities,
Plants, flowers or floral arrangements
Services provided by persons pursuant to a professional license or certificate.
Other personal services for which a fee is normally charged by the person providing the services.
Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

_____	Adebayo Coker, PE
SIGNATURE	PRINTED NAME
HBC Engineering Company	President / CEO
NAME OF COMPANY	TITLE

Failure to sign this page shall render your bid non-responsive.

DBE BID PACKAGE INFORMATION

DBE Utilization

The Department began its DBE race neutral program January 1, 2000. **Contract specific goals are not placed on Federal/State contracts;** however, the Department has an overall 10.54% DBE goal it must achieve. In order to assist contractors in determining their DBE commitment level, the Department has reviewed the estimates for this letting.

As you prepare your bid, please monitor potential or anticipated DBE utilization for contracts. When the low bidder executes the contract with the Department, information will be requested of the contractor's DBE participation for the project. While the utilization is not mandatory in order to be awarded the project, continuing utilization of DBE firms on contracts supports the success of Florida's DBE Program, and supports contractors' Equal Employment Opportunity and DBE Affirmative Action Programs.

Any project listed as 0% DBE availability does not mean that a DBE may not be used on that project. A 0% DBE availability may have been established due to any of the following reasons: limited identified subcontracting opportunities, minimal contract days, and/or small contract dollar amount. Contractors are encouraged to identify any opportunities to subcontract to DBE's.

Please contact the Equal Opportunity Office at (850) 414-4747 if you have any questions regarding this information.

DBE Reporting

If you are the prime contractor on a project, enter your DBE participation in the Equal Opportunity Compliance system prior to the pre-construction or pre-work conference for all federal and state funded projects. This **will not** become a mandatory part of the contract. It will assist the Department in tracking and reporting planned or estimated DBE utilization. During the contract, the prime contractor is required to report actual payments to DBE and MBE subcontractors through the web-based Equal Opportunity Compliance (EOC) system.

All DBE payments must be reported whether or not you initially planned to utilize the company. In order for our race neutral DBE Program to be successful, your cooperation is imperative. If you have any questions, please contact EOOHelp@dot.state.fl.us.

Bid Opportunity List

The Federal DBE Program requires States to maintain a database of all firms that are participating or attempting to participate on FDOT-assisted contracts. The list must include all firms that bid on prime contracts or bid or quote subcontracts on FDOT-assisted projects, including both **DBE's and non-DBEs.**

Please complete the Bidders Opportunity List through the Equal Opportunity Compliance system within 3 business days of submission of the bid or proposal for ALL subcontractors or sub-consultants who quoted to you for specific project for this letting. The web address to the Equal Opportunity Compliance system is: https://www.fdot.gov/equalopportunity/eoc.shtm.

DBE/AA Plans

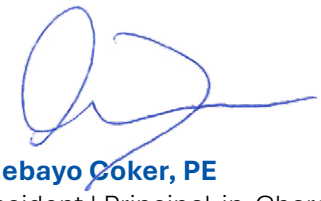
Contractors bidding on FDOT contracts are to have an approved DBE Affirmative Action Plan (FDOT Form 275-030-11B) on file with the FDOT Equal Opportunity Office before execution of a contract. DBE/AA Plans must be received with the contractors bid or received by the Equal Opportunity Office prior to the award of the contract.

Plans are approved by the Equal Opportunity Office in accordance with Ch. 14-78, Florida Administrative Code. Plans that do not meet these mandatory requirements may not be approved. Approvals are for a (3) three year period and should be updated at anytime there is a change in the company's DBE Liaison Officer and/or President. Contractors may evidence adoption of the DBE/AA Policy and Plan and/or a change in the designated DBE Liaison officer as follows:

- Print the first page of the document on company stationery ("letterhead") that indicates the company's name, mailing address, phone number, etc.
- Print the company's name in the "___" space; next to "Date" print the month/day/year the policy is being signed; record the signature of the company's Chief Executive Officer, President or Chairperson in the space next to "by" and print the full first and last name and position title of the official signing the policy.
- Print the DBE Liaison's full name, email address, business mailing address and phone number the bottom of email.

E-mail the completed and signed DBE AA Plan to: **eeoforms@dot.state.fl.us.**

The Department will review the policy, update department records and issue a notification of approval or disapproval; a copy of the submitted plan will not be returned to the contractor.



Adebayo Coker, PE
President | Principal-in-Charge
HBC Engineering Company
(305) 632-52802 | acoker@hbcengineeringco.com

Exhibit B

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

TRUTH IN NEGOTIATION CERTIFICATION

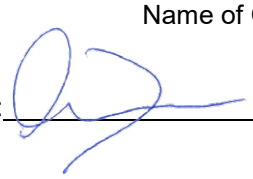
375-030-30
PROCUREMENT
05/14

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the Department of Transportation (Department) requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Department determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Department, whichever is later.

HBC Engineering Company
Name of Consultant

By:  Adebayo Coker, PE
President / CEO

6/12/2025
Date

Exhibit C

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

375-030-32
PROCUREMENT
11/15

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION- LOWER TIER COVERED TRANSACTIONS FOR FEDERAL AID CONTRACTS

(Compliance with 2 CFR Parts 180 and 1200)

It is certified that neither the below identified firm nor its principals are presently suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Name of Consultant/Contractor: HBC Engineering Company

By: Adebayo Coker, PE

Date: 6/12/2025

Title: President / CEO

Instructions for Certification

Instructions for Certification - Lower Tier Participants:
(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200)
a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES ON FEDERAL-AID CONTRACTS
(Compliance with 49CFR, Section 20.100 (b))

The prospective participant certifies, by signing this certification, that to the best of his or her knowledge and belief:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

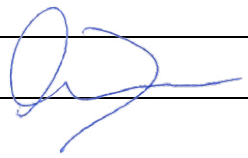
(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The prospective participant also agrees by submitting his or her proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such subrecipients shall certify and disclose accordingly.

Name of Consultant: HBC Engineering Company

By: Adebayo Coker, PE Date: 6/12/2025

Authorized Signature: 

Title: President / CEO

Exhibit E

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DISCLOSURE OF LOBBYING ACTIVITIES

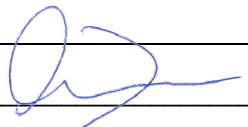
375-030-34
PROCUREMENT
02/16

Is this form applicable to your firm?
YES ☐ NO ☑
If *no*, then please complete section 4 below for "Prime"

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	**2. Status of Federal Action:** a. bid/offer/application b. initial award c. post-award	**3. Report Type:** a. initial filing b. material change **For Material Change Only:** Year: _____ Quarter: _____ Date of last report: _____ (mm/dd/yyyy)

4. Name and Address of Reporting Entity: ☑ Prime ☐ Subawardee Tier ____S____, *if known*: HBC Engineering Company 5200 NW 33rd Avenue, Suite 211 Fort Lauderdale, FL 33309 Congressional District, *if known*: 4c _____	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: _____ Congressional District, *if known*: _____
6. Federal Department/Agency:	**7. Federal Program Name/Description:** CFDA Number, *if applicable*: _____
8. Federal Action Number, *if known*:	**9. Award Amount,** *if known*: $ _____
10. a. Name and Address of Lobbying Registrant (*if individual, last name, first name, MI*):	**b. Individuals Performing Services** (*including address if different from No. 10a*) (*last name, first name, MI*):

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Signature: 

Print Name: Adebayo Coker, PE

Title: President / CEO

Telephone No.: (786) 477-4614 Date (mm/dd/yyyy): 6/12/2025

Federal Use Only:

Authorized for Local Reproduction
Standard Form LLL (Rev. 7-97)

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.

2. Identify the status of the covered Federal action.

3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.

4. Enter the fullname, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.

5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.

6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.

7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.

8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."

9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.

10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.

    (b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).

11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

Tab J

Attachments

HBCENGI-01 KMCGUFFIN

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 5/29/2025

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

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

PRODUCER
Ames & Gough
8300 Greensboro Drive
Suite 980
McLean, VA 22102

CONTACT NAME:
PHONE (A/C, No, Ext): (703) 827-2277 FAX (A/C, No): (703) 827-2279
E-MAIL ADDRESS: admin@amesgough.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Hartford Underwriters Insurance Company A+ (XV)	30104
INSURER B : Nutmeg Insurance Company	39608
INSURER C : Hartford Casualty Insurance Company A+ (XV)	29424
INSURER D : Underwriters At Lloyds of London	15642
INSURER E :	
INSURER F :	

INSURED
HBC Engineering Company
9675 NW 117th Avenue, Suite 305
Medley, FL 33178

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

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR	X	X	42 SBU AR9BKL	2/21/2025	2/21/2026	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO	X	X	42 UEG AF0811	2/21/2025	2/21/2026	BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE	X	X	42 SBU AR9BKL	2/21/2025	2/21/2026	AGGREGATE	$ 5,000,000
	DED X RETENTION $ 10,000							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N (Mandatory in NH)	N / A	X	42 WEG AR9BJP	2/21/2025	2/21/2026	E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
D	Professional Liab.		X	CAE00004-01	2/21/2025	2/21/2026	Per Claim/Aggregate	2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Solicitation No.: RFQ-310-25-WV
Project Description: City of Hollywood - Various Locations / Sheridan Park Lap Project

City of Hollywood is included as additional insured with respect to General Liability, Automobile Liability and Umbrella Liability when required by written contract. General Liability includes Additional Insured coverage for On-Going & Completed Operations as required by written contract. General Liability and Automobile Liability are primary and non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and when required by written contract. General Liability, Automobile Liability, Umbrella Liability and Workers Compensation policies include a waiver of
SEE ATTACHED ACORD 101

CERTIFICATE HOLDER
City of Hollywood
Design & Construction Management
2600 Hollywood Blvd.
Hollywood, FL 33020

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

AGENCY CUSTOMER ID: HBCENGI-01 KMCGUFFIN

LOC #: 1

ADDITIONAL REMARKS SCHEDULE

AGENCY		NAMED INSURED
Ames & Gough		HBC Engineering Company 9675 NW 117th Avenue, Suite 305 Medley, FL 33178
POLICY NUMBER		
SEE PAGE 1		
CARRIER	NAIC CODE	EFFECTIVE DATE: SEE PAGE 1
SEE PAGE 1	SEE P 1	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:
subrogation in favor of the additional insureds where permissible by state law and when required by written contract. 30-day Notice of Cancellation will be issued for the General Liability, Automobile Liability, Umbrella Liability, Workers Compensation and Professional Liability policies in accordance with policy terms and conditions.