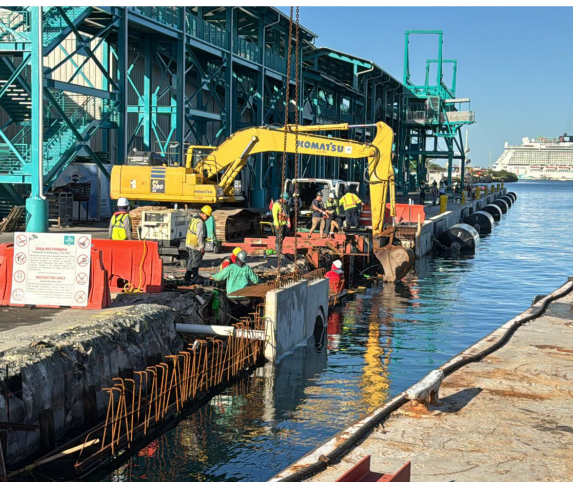








HBC

Request for Letter Interest

RLI 26-006

CONTINUING CONTRACT FOR PROFESSIONAL STRUCTURAL ENGINEERING SERVICES

December 29, 2025 at 2PM

Name of Respondent's Agency/Firm: HBC Engineering Company

Name of Contact: Sreelatha Nandivada, MS, PE | Adebayo Coker, PE

Address: 5200 NW 33rd Ave, Suite 211, Fort Lauderdale, FL 33309

E-Mail: snandivada@hbcengineeringco.com | acoker@hbcengineeringco.com

Telephone Number: (480) 703-2072 | (305) 232-7932

pompano beach
Florida's Warmest Welcome

TABLE OF CONTENTS

Table of Contents . . . . . Page 2

Letter of Transmittal . . . . . Page 3

Technical Approach . . . . . Page 6

References . . . . . Page 58

Project Team Form . . . . . Page 63

Organizational Chart . . . . . Page 66

Statement of Skills and Experience of Project Team . . . . . Page 68

Resumes of Key Personnel . . . . . Page 109

Office Locations . . . . . Page 229

City Forms . . . . . Page 231

Appendix A Company/Subconsultant Licensure . . . . . Page 249

Appendix B Personnel Licensure . . . . . Page 259

Appendix C Company Alcohol and Drug Policy . . . . . Page 264



LETTER OF TRANSMITTAL

HBC Committed to Excellence

HBC Engineering Company
5200 NW 33rd Avenue, Suite 211
Fort Lauderdale, FL, 33309

December 29th, 2025
City of Pompano Beach
1190 NE 3rd Avenue, Building C Pompano Beach, Florida 33060

RE: RLI 26-006 – Continuing Contract for Professional Structural Engineering Services

Dear Selection Committee Members,

On behalf of **HBC Engineering Company (HBC)**, we are pleased to submit our Letter of Transmittal for **RLI 26-006, Continuing Contract for Professional Structural Engineering Services**. HBC fully understands the City's intent to pre-position qualified firms capable of supporting a broad range of municipal structural needs, including bridge assessments, seawall rehabilitation, building improvements, structural condition surveys, permitting, construction-phase support, and emergency response tasks. Our team is committed to providing responsive, technically sound, and cost-efficient services that align with the City's Capital Improvement Program and continuing-services delivery model.

HBC is a Florida-based engineering firm providing structural, civil, and transportation services for municipal and county agencies across Florida. Our staff brings extensive experience preparing design reports, structural evaluations, technical plans, specifications, cost estimates, and construction-phase support for vertical and horizontal infrastructure. We are licensed to perform Structural Engineering services in Florida and experienced with delivering work under the CCNA framework, including projects requiring fast turnaround, disciplined scope management, and close coordination with city staff.

HBC will administer all engineering services for this contract from **our established Broward county office located at 5200 NW 33 Avenue, Suite # 211, Fort. Lauderdale, FL 33309 convenitently situated approximately twenty minutes from the city of Pompano Beach**. From this office, HBC's staff has successfully delivered a wide range of civil engineering projects, incldluing bridge and building inspections, 40 and 60-years recertifications, water treatment plant expansion structural design, pavement rehabilitation, airport runway design and estimation, pedestrian bridge design, bridge rehabilitation projects, site development, roadway design, traffic studies, grading, drainage, stormwater management, roadway improvement projects and utility infrastructure improvements. Our local presence, combined with a deep understanding of municipal processes and permitting procedures, enables HBC to provide responsive, high-quality services that align with the City's priorities and support its long-term capital improvement goals.

For this contract, HBC proposes **Sreelatha Nandivada, MS, PE** as **Project Manager**. With more than twenty-two years of experience in bridge design, load ratings, retaining walls, traffic signal support structures, seawalls, and structural evaluations for municipal and DOT clients, she brings strong technical depth and proven public-sector experience. Her expertise includes structural modeling, LRFR analyses, condition assessments, and multidisciplinary coordination, and she is currently leading major structural tasks for the **Hollywood Seminole Reservation Pedestrian Bridge**, involving coordination with FDOT, FHWA, and permitting agencies. Her background in coastal structures and municipal building evaluations aligns directly with the services outlined in Section C of the RLI.

Our team is prepared to support the City's objectives by providing:

- **Preliminary structural evaluations and alternatives analyses**, including field investigations, modeling, and cost estimating as required by the solicitation.
- **Structural condition assessments**, including bridges, buildings, seawalls, retaining walls, parks and recreational facilities, emergency power projects, special inspections, and miscellaneous infrastructure, performed in accordance with municipal and industry standards.
- **Timely task execution**, supported by HBC's project controls, QA/QC procedures, and ability to respond quickly to City work authorizations.
- **Production of Construction Documentation and construction phase services:** Detailed plans, technical specifications, permitting packages and phasing strategies that reduce public disruption along with the contractor coordination, inspection and field revisions services , project certification provided during construction phase.
- **Bridge Design & Structural Engineering:** Replacement and rehabilitation solutions for bridges and related structures, using concrete, steel, and advanced materials in compliance with FDOT and national standards

HBC Engineering Company
5200 NW 33rd Avenue, Suite 211
Fort Lauderdale, FL, 33309

Our staff has supported numerous local municipalities, governmental agencies, and public works facilities through a wide range of continuing professional engineering contracts, providing consistent, on call technical support, construction oversight, and specialized inspection services across transportation, utility, and public infrastructure programs.

- Florida Department of Transportation
- Miami-Dade County (MDC)
- Broward County
- Palm Beach County
- City of Miami
- City of Miami Beach
- City of South Miami
- City of North Miami
- City of Sweetwater
- Miami-Dade County Water and Sewer
- South Florida Water Management District
- City of Homestead
- Miami-Dade County Public Schools
- City of Fort Lauderdale
- City of Hollywood
- City of Doral
- City of Miramar
- City of Riviera Beach
- City of Boca Raton
- City of Boynton Beach
- City of Hollandale Beach
- Central Florida Expressway Authority (CFX)
- Great Miami Expressway Authority (GMX)
- Seminole Tribe of Florida

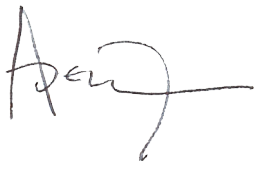
Our team has partnered with industry leaders and subconsultants and will be providing the following services:

- **Moffat & Nichol, Inc.:** Environmental, Waterfront Structural Engineering, Special Inspection Services
- **Keith and Associates, Inc.:** Surveying, Mapping Services and SUE
- **Florida Engineering & Testing, Inc.:** Geotechnical Services
- **Media Relations Group, LLC:** Public Engagement

HBC's approach emphasizes responsiveness, disciplined project management, and consistent communication with City staff to ensure clarity, accountability, and timely decision making throughout each assignment. Our team proactively manages scope, schedule, and coordination efforts to meet the City's schedule requirements while maintaining full compliance with all applicable permitting authorities, codes, and regulatory standards. We place strong emphasis on accurate recordkeeping, quality control, and thorough documentation, delivering clear, well organized deliverables that support audits, facilitate efficient project closeout, and provide reliable records for future capital planning and implementation

We appreciate the opportunity to be considered for this continuing contract and look forward to supporting the City of Pompano Beach with high quality structural engineering services delivered in a responsive, collaborative, and technically sound manner. HBC is committed to providing dependable expertise, clear communication, and practical solutions that support the City's infrastructure objectives, regulatory obligations, and long term capital improvement programs.





Sreelatha Nandivada, MS, PE
Project Manager
HBC Engineering Company
(480) 703-2072 | snandivada@hbcengineeringco.com

Adebayo Coker, PE
President | Principal-in-Charge
HBC Engineering Company
(305) 232-7932 | acoker@hbcengineeringco.com



TECHNICAL APPROACH

TECHNICAL SERVICES & APPROACH TO PROJECTS

PROJECT UNDERSTANDING, PROPOSED APPROACH & METHODOLOGY



HBC Engineering Company (HBC) has specialized technical skills, proven project experience, and strong in-house resources needed to successfully handle all aspects of the City of Pompano Beach ongoing Professional Structural Engineering Services contract. HBC understands the diverse technical requirements and regulatory standards associated with the City's planned infrastructure improvements, including constructing and rehabilitating the City's facilities, infrastructure, and equipment roadway, structural, stormwater, traffic, and environmental engineering disciplines. Our firm's multidisciplinary structure enables the City to access the appropriate expertise for each assignment, whether it involves roadway and drainage design, flood mitigation, traffic and lighting studies, or construction-phase services, ensuring that every project advances efficiently from concept through completion.

HBC understands that each assignment under this contract will be authorized through individual task orders, each defining the scope, schedule, deliverables, and performance expectations established by the City. Our firm is fully prepared to mobilize the necessary staff and technical specialists to meet these requirements promptly. We recognize that the City may prioritize projects based on funding cycles, permitting timelines, or community needs, and HBC stands ready to respond to these priorities with timely, high-quality, and cost-effective deliverables.

HBC has extensive experience in implementing Complete Streets and context-sensitive design principles across Broward County and other South Florida areas.

Our approach emphasizes proactive communication, transparent coordination, and strict compliance with the City of Pompano Beach, FDOT, FEMA, and Broward County regulatory requirements. HBC's in-house teams for roadway, drainage, traffic, and structural engineering along with our subconsultant teams for Environmental, public involvement, Geotechnical and surveying work together smoothly to develop technically sound, buildable, and sustainable design solutions. Our methods include detailed hydrologic and hydraulic modeling, early utility conflict detection, and optimized roadway geometry to improve stormwater management, enhance pavement performance, and increase asset lifespan.

Based in Broward county, HBC's location allows for quick responses to site visits, field coordination, and design meetings. Under this ongoing services contract, HBC will serve as an extension of the City's Engineering Department, providing practical, resilient, and cost-effective infrastructure solutions that support Pompano Beach's long-term goals of safety, mobility, and community resilience.

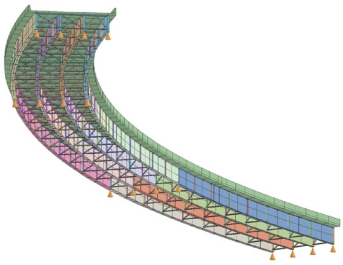
Building on this understanding of the City's priorities and programmatic objectives, HBC has assembled a multidisciplinary team with the necessary depth, technical expertise, and local experience to support the full range of professional engineering and architectural services expected under this contract. **The following section highlights HBC's core areas of expertise, emphasizing the specialized capabilities and resources that enable our team to deliver high-quality, cost-effective, and resilient infrastructure solutions for the City of Pompano Beach.**

HBC's Structural Engineering Services	
Historic building stabilization and restoration	Single- and multi-story structures (steel, cast-in-place concrete, pre-stressed concrete, masonry, and timber)
Façade restoration or enhancements	Roofing survey, investigation and evaluation
Corrosion studies	Seismic analysis of new and existing structures
Structural strengthening	Parking Garages
Liquid and earth retaining structures	Commercial and educational facilities
Design of monorails, jib cranes, and bridge cranes	Industrial process tower superstructure/foundation design
Relocated equipment supports	Bridge crane/jib crane/monorails
Existing building analysis	Equipment supports/foundations for static and dynamic loads
Vibration analysis	Bid support and contractor coordination
Analysis and remedial design for foundation damage and subsidence	Airport runway rehabilitation, pavement analysis
Analysis and remedial design for damaged steel and concrete structures	



HBC offers over 20 years of experience providing comprehensive structural engineering services for transportation, coastal, water resources, and public infrastructure projects across Florida. Our structural engineering team brings more than 3 decades of years of collective experience in successfully designing and delivering a wide variety of infrastructure projects with innovative, cost-effectivesolutions that meet the highest standards of safety, durability, and constructability. Our portfolio includes structural engineering design services for Water Treatment Plant Expansion, 40th and 60th-year recertification and inspection services, bascule bridges, medium-span vehicle and pedestrian structures, as well as seawalls, bulkheads, retaining walls, and foundations that align with the City's scope of services.

We deliver end-to-end design solutions, including surveys, geotechnical coordination, structural analysis, load ratings, construction documents, permitting, and cost estimates, all in compliance with FDOT, AASHTO, and local standards. Our designs prioritize durability, constructability, and minimal disruption, and incorporate advanced materials such as Fiber Reinforced Polymer (FRP) for sustainability and extended service life. HBC has successfully supported agencies, including FDOT, Palm Beach County, Miami-Dade County, and the City of Fort Lauderdale, with expertise in bridge and structural design. We understand City of Pompano Beach's priority to enhance the structural integrity and resiliency of its infrastructure through this continuing contract.

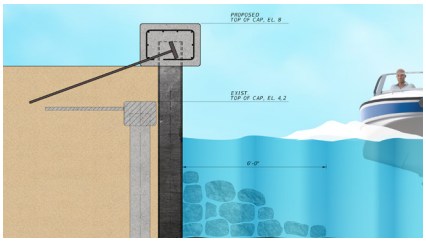


We work closely with owners, contractors, and multi-disciplinary design teams to develop efficient structural systems, whether for new construction, retrofits, or rehabilitation projects. Our focus is on delivering practical designs that meet schedule, budget, and performance goals while minimizing construction impacts and optimizing life-cycle costs.

With HBC's expertise in Bridge Improvement projects, as a key part of our service, we will conduct thorough field inspections and condition assessments to identify early signs of deterioration, structural distress, or other deficiencies. We also ensure we review the history of structural problems, clearance limitations in the widened configuration, historical significance, flooding or scouring conditions, enabling us to recommend the most appropriate and cost-effective solutions, whether replacement of the bridge is more suitable than widening, while maintaining the safety and integrity of the structures. During this PD&E phase, HBC exercises due diligence by identifying and applying innovative techniques aimed at reducing costs, shortening project timelines, enhancing safety during construction, and protecting the environment. Throughout the bridge development process, we coordinate with our team to gather data on hydraulics recommendations, roadway design, and bridge specifics to establish the necessary design criteria. HBC will develop a cost estimate for the quantities involved in bridge projects with a reasonable degree of accuracy, helping our clients\ better manage their infrastructure investments and align with their long-term financial plans.

Below are some representative projects completed on time by structures team. Refer Section 6 | Statement of Skills and Experience of Project Team for project pages

Riverwalk North Seawall Replacement Project | City of Fort Lauderdale



For Riverwalk Seawall Design Project for the City of Fort Lauderdale, timely delivery and budget adherence were critical due to ongoing public-use constraints along the waterfront. We implemented an accelerated yet structured design workflow, integrating early field data collection with parallel discipline reviews. This approach allowed us to meet all submittal deadlines while maintaining strict control overv design hours and resource allocation, ensuring the project remained within the approved budget. **This project is on track to be completed On Time and On Budget.**

University Drive Bus Shelter Design Program | FDOT District 4



The University Drive Bus Shelter Design Program further demonstrates our ability to manage multi-site work efficiently. With numerous locations requiring coordinated reviews with transportation staff and utility agencies, we utilized standardized design modules and consistent internal check-ins to streamline efforts. This methodology minimized rework, reduced production time, and ensured each design package was completed on or ahead of schedule while staying within the client's budget expectations. **This project is on track to be completed On Time and On Budget.**

40-Year Recertification of West Transfer Station Building Project | Miami-Dade County Department of Solid Waste Management



For regulatory-driven work, our team applies the same level of precision. On the Miami-Dade County Department of Solid Waste Management – Building 40-Year Recertification, we delivered comprehensive structural and electrical assessment reports within the mandated timeline and established cost limits. Early mobilization, systematic field documentation, and efficient use of inspection teams allowed us to control labor hours while meeting all county requirements without delay. **This project was completed On Time and On Budget.**

60-Year Recertification of 58th Street Building No. 4 | Miami-Dade County Department



The 60-Year Recertification of the 55th Street Building 4 also highlights our ability to deliver complex assessment work under tight schedule and financial constraints. We developed a phased evaluation plan that supported simultaneous field inspections and report development. This approach reduced overall manhours and ensured timely completion while maintaining full alignment with the project budget. **This project was completed On Time and On Budget.**

Across all these projects, our success is driven by clear schedule baselines, detailed cost tracking, proactivestakeholder communication, and a disciplined internal QA/QC process. Together, these practicesconsistently enable us to provide reliable, timely, and cost-effective project delivery, even under compressed timelines or evolving project conditions

HBC Engineering Company provided design and construction services for the development of Airside Drainage Construction Documents, ensuring compliance with all regulatory standards and project requirements. The scope included plans for large rectangular drainage structures and 66-inch concrete pipes connecting Ponds AM and E, reflecting the elimination of Taxiway E-3. The Pond T grading plan was revised to accommodate the removal of the VASI system and installation of the PAPI and Runway Distance Remaining devices. Drainage areas U, V-1, V-2, W-1, W-2, X, Y, Z-1, and Z-2 were also modified and transferred to the Runway Overlay Project. HBC prepared the Environmental Resource Permit (ERP) to obtain the Drainage Construction Permit.

TRANSPORTATION PLANNING



HBC provides comprehensive transportation planning services that advance the City of Pompano Beach's vision for a safe, resilient, and well-connected urban mobility network. Our planning team integrates technical expertise with an understanding of the City's unique infrastructure and regulatory challenges to develop multimodal solutions that improve accessibility, safety, and community livability. Each planning effort is grounded in rigorous traffic and data analysis, stakeholder coordination, and compliance with FDOT District 6 and LAP program requirements. HBC's approach ensures that planning outcomes align with City priorities for sustainability, storm resilience, and economic growth. We emphasize early coordination with City staff, regulatory agencies, and the public to produce implementable strategies that balance infrastructure investment with environmental stewardship and long- term community benefit.

HBC'S Transportation Planning Services	
Support local agencies with transportation plans	Cost-effective operational analysis with ITS integration
Evaluate multimodal and operational improvements	Complete streets design

HBC'S Transportation Planning Services, *Continued...*	
Conduct alternatives analysis	Forecast travel patterns and assess network performance
Create efficient and accessible networks	Plan bike/pedestrian facilities and trails
Enhance connectivity and land use integration	Support grant application development
Analyze traffic flow	Due diligence
Level of services	Operational performance using fdot methodologies

TRANSPORTATION ENGINEERING

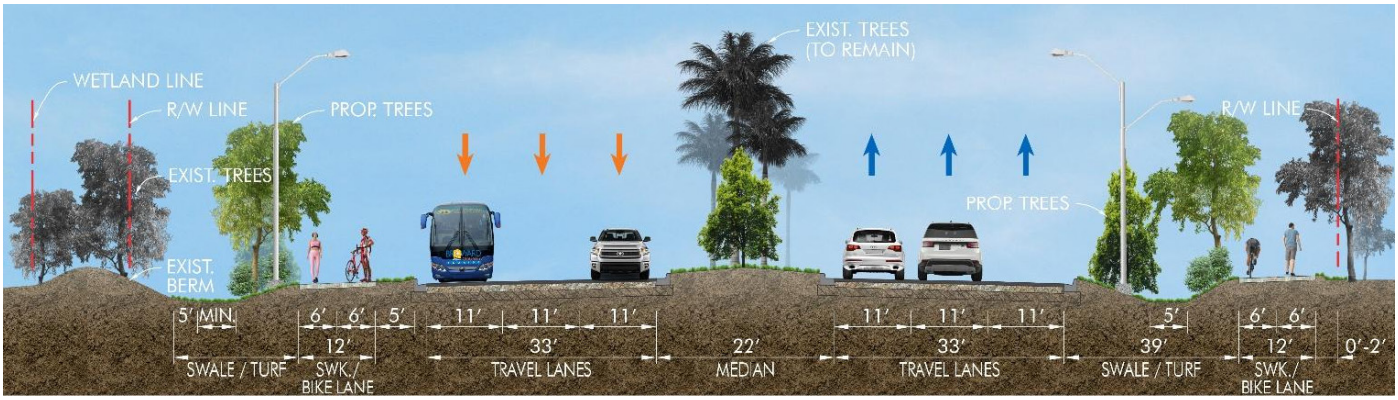


HBC understands that the City of Pompano Beach must modernize its aging transportation infrastructure while addressing the growing mobility needs of residents, businesses, and visitors within a densely developed urban environment. A safe and efficient roadway network is fundamental to the City's economic vitality, community connectivity, and long-term resilience. HBC offers extensive experience in the planning, design, and implementation of multimodal transportation systems that enhance safety, mobility, and durability across municipal corridors. Our team delivers context-sensitive engineering solutions that incorporate Complete Streets principles, advanced traffic operations, and coordinated utility design. Each improvement is developed to optimize traffic flow, reduce construction impacts, and maintain accessibility for all roadway users, ensuring that the City's transportation network continues to support sustainable growth and quality of life.

HBC'S Transportation Engineering Services	
Minor / major complex roadways	Roadway construction management & inspection
Transportation planning, route studies & schematic design	Signing, pavement markings, channelization
Bridge layouts, pavement, and geometric design	Stormwater pollution prevention plan design

HBC'S Transportation Engineering Services	
Hydrology and hydraulic design for channels and crossing	Utility relocations and coordination
Storm drain system analysis & design	Traffic control plans
Intersection improvements & safety enhancements	Pedestrian control plans
Guide sign and wayfinding systems	Lane assignment and configuration
Pavement marking plans	School zone signing & marking

We partner with municipal clients to deliver innovative, sustainable, and cost-efficient engineering solutions that support both the construction of new multimodal facilities and the rehabilitation of existing assets. Our approach emphasizes resiliency against climate impacts, seamless integration with urban development priorities, and strategies that extend the service life of critical infrastructure.





With extensive expertise spanning planning, roadway and civil design, stormwater management, traffic engineering, and construction-phase services, HBC consistently delivers safe, reliable, and future-ready transportation systems tailored to the unique needs of the City of Pompano Beach. By aligning technical excellence with the City's goals for sustainability, resiliency, and equitable mobility, we ensure every project strengthens community connectivity, enhances safety, and preserves access for all modes of travel.

As the prime consultant for the SR 7 Transit Corridor Improvements Project (FPID 429576-2) in Broward County, HBC led the design of comprehensive improvements along a 16-mile corridor encompassing SR 7/US 441 and SR 858/Hallandale Beach Boulevard. The project included the addition of pedestrian signals, mid-block crossings with

flashing red left-turn arrows, bike lanes, ADA-compliant upgrades, and lighting enhancements at 27 key locations. These enhancements improve access to transit services, local businesses, and residential neighborhoods while preserving corridor capacity and optimizing traffic operations.

CIVIL ENGINEERING



HBC delivers comprehensive civil engineering services that address the unique needs of municipalities such as the City of Pompano Beach, leveraging a multidisciplinary approach that integrates technical precision, regulatory compliance, and site-specific design strategies. Our team provides detailed site evaluations, technical analysis, and complete civil site design services, including grading, drainage, utilities, stormwater management, and multimodal access planning, for public infrastructure and community development projects. We have successfully supported the delivery of government and municipal facilities, including parks, recreational complexes, buildings, and critical water and wastewater treatment infrastructure. Our experience also encompasses residential, commercial, and industrial developments, along with specialized waterfront improvements such as seawalls, marinas, and riverwalks.

With an understanding of the MDC County's permitting procedures and regulatory frameworks, HBC maintains productive working relationships with local, state, and federal agencies, ensuring efficient project approvals and timely delivery of construction documents. Our integrated services are designed to identify site constraints early, optimize land use, and enhance constructability while advancing sustainable and resilient solutions. By applying best practices in stormwater design, climate adaptation, and green infrastructure, HBC ensures that every civil engineering assignment not only meets current standards but also strengthens the City's long-term resilience against flooding, sea level rise, and other environmental challenges.

HBC'S Civil Engineering Services	
Site analysis	Utility systems
Due diligence	Permitting / regulatory issues
Civil site design	Parks and recreation design
Drainage plans	Site layout and grading design
Utility plans	Lift station and force main design
Stormwater systems	Utility conflict analysis and relocation coordination
Hydrologic and hydraulic modeling	Coordination with public and private utility providers
Erosion and sediment control plans	Bid support and contractor coordination

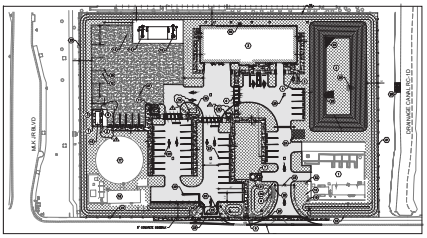
Our Civil Engineering expertise has been demonstrated through a diverse portfolio of recent projects, including:

Riviera Water Plant Package 1A | City of Riviera Beach



HBC designed the site plans for 2 Surficial Aquifer System (SAS) and 6 Floridan Aquifer System (FAS) groundwater supply well sites. Wells F-1, F-2, F-3, F-4, F-5, F-6, and 2015-B were designed to connect to the proposed 10" High-Density Polyethylene (HDPE) raw water transmission mains. Well 2015-A will connect to an existing 14" raw water main by using an 8" x 14" tapping sleeve. HBC has also developed demolition, civil site, paving, and grading plans for each wellsite. **This project is on track to be completed On Time and On Budget.**

Riviera Water Plant Package 2B Avenue U | City of Riviera Beach



HBC designed the civil site plan for a proposed maintenance building located northwest of the intersection of Avenue U and MLK Jr. Boulevard. The design includes a proposed sanitary sewer lift station, drainage system, and stormwater pond. The site will also house the proposed wellheads FAS F-5 and SAS 2015-B. HBC additionally developed plans for demolition, clearing and grubbing, utility connections, paving and grading, and signing and pavement markings. **This project is on track to be completed On Time and On Budget.**

STORMWATER / DRAINAGE / WATER RESOURCE ENGINEERING



HBC provides specialized stormwater and water resources engineering services that address the City's complex drainage and flood-management needs. In a region with low elevations, interconnected canal systems, and vulnerable ecosystems, HBC creates drainage strategies that improve public safety, protect infrastructure, and enhance long-term water quality. Our solutions are designed to advance flood mitigation, increase aquifer recharge, boost treatment efficiency, protect ecological resources, and strengthen community resilience against changing climate conditions.

HBC's integrated team, consisting of civil engineers, hydrologists, and certified floodplain managers supported by advanced GIS capabilities, offers a comprehensive range of water resources services. Our experience ranges from neighborhood-scale drainage retrofits to the planning and hydraulic design of regional conveyance systems, canal improvements, control structures, and stormwater pump stations. We work closely with federal, state, and local regulatory agencies and have a strong understanding of permitting processes, enabling efficient approvals and full compliance with all relevant environmental and water-quality standards.

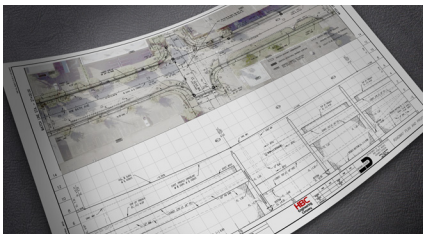
At every stage of project development, we evaluate environmental impacts, constructability, and cost efficiency to ensure that each solution is practical, sustainable, and tailored to the City's unique conditions.

Design-Build Services for the Reconstruction of NE 2nd Ave from NE 69th St to NE 84th St (Segment D) | Miami-Dade County Department of Transportation and Public Works



As the Engineer of Record, HBC led the design of a 5,016-foot roadway widening and reconstruction project along NE 2nd Avenue from NE 69th Street to NE 84th Street in Miami-Dade County, delivering a comprehensive upgrade to the stormwater drainage infrastructure. The scope included the design and installation of a new drainage system along the entire corridor, incorporating 36-inch French drain to address subsurface water conditions. HBC conducted hydrologic and hydraulic modeling using ICPR to support drainage permitting with Miami-Dade RER, ensuring compliance with both water quality and quantity requirements. The project also incorporated a new outfall system and the trenchless retrofit of existing pipes to improve capacity and minimize construction impacts. **This project was completed On Time and On Budget.**

Design-Build Services for the Reconstruction of NW 84th Ave from NW 58th St to NW 74th St | Miami-Dade County Department of Transportation and Public Works



As part of the MDC-DTPW Design-Build project for the reconstruction of NW 84th Avenue from NW 58th Street to NW 74th Street, HBC, as the Engineer of Record, led the design efforts. The project involved the full reconstruction and widening of a one-mile segment of NW 84th Avenue from a two-lane roadway to a four-lane section with a continuous Two-Way Left-Turn Lane, requiring a new drainage system to accommodate the increased impervious area and roadway runoff. HBC designed a robust stormwater management system to meet MDC-RER water quality and quantity standards, incorporating drainage structures, storm sewer pipes, and outfall connections to existing infrastructure. Coordination with other design elements, including signalization, utilities, and roadway improvements, was essential to ensure compatibility and minimize conflicts within the Right of Way. **This project is on track to be completed On Time and On Budget.**

TRAFFIC ENGINEERING SERVICES



HBC provides a full range of traffic engineering services built on data-driven methodologies, advanced modeling platforms, and a strong understanding of South Florida's multimodal transportation systems. Our team's expertise covers traffic operations and safety studies, corridor and network simulation, signal warrant analyses, Intersection Control Evaluations (ICE), and the preparation of Resurfacing, Restoration, and Rehabilitation (RRR) Safety Reports in accordance with FDOT standards. We utilize industry-leading tools such as Synchro, VISSIM, and SERPM to perform signal optimization, microsimulation, and long-range traffic forecasting. To enhance precision in analysis, we integrate Transit Signal Priority (TSP), Adaptive Signal Control, and emerging TSM&O strategies that improve corridor efficiency and system resiliency.

HBC'S Traffic Engineering Services	
Traffic operations studies	RRR safety reports
Safety studies	Fatal crash reviews
Vision zero & target zero	Signal warrant studies
Road safety audits	Qualitative assessments
Traffic signal systems	Target speed studies
Corridor & network simulation	Systems planning
Capacity and los analyses	Transportation statistics
Origin-destination studies	Land planning / engineering
Transportation management plans	Trip generation analyses
Intersection control evaluations	



Our traffic engineering services also encompass comprehensive data collection, including turning movement counts, speed and delay studies, photometric evaluations, and drone-based videography to capture real-time operational conditions. By combining advanced analytics with innovative multimodal solutions, HBC consistently delivers improvements that enhance safety, reduce congestion, and maintain accessibility across the region's urban corridors.

For the City of Pompano Beach, this integrated approach ensures context-sensitive, resilient, and sustainable traffic solutions that reduce congestion, improve safety, and maintain accessibility while meeting all applicable local, state, and federal standards.

HBC successfully completed a comprehensive traffic data collection effort for the Miami-Dade County Department of Transportation and Public Works (DTPW) within the Northeast Corridor, delivering all required services within an expedited 90-day schedule. The scope of work encompassed the installation and management of Temporary Monitoring Counters (TMCs) at 76 signalized intersections, the execution of 294 approach traffic counts to capture detailed vehicular movement data, and the performance of 36 spot speed studies to assess prevailing speed conditions and compliance with posted speed limits. Additionally, 28 drone flights were conducted to obtain high-resolution aerial footage supporting advanced traffic operations analysis, intersection geometry assessments, and multimodal evaluations. Traffic Engineering Services

WATER, WASTEWATER & RECLAIMED WATER

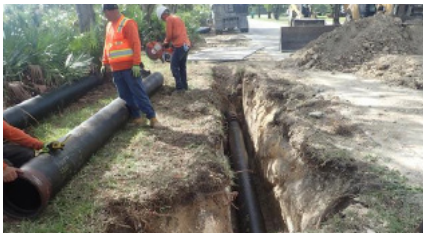


HBC staff have supported municipalities throughout Florida with comprehensive water and wastewater engineering services, encompassing both new infrastructure development and the rehabilitation of aging systems. Our expertise includes condition assessments, diagnostic evaluations, field investigations, hydraulic modeling, detailed design, regulatory permitting, construction management and inspection, as well as start-up and operational support. We deliver responsive, technically sound solutions that enhance system reliability, operational efficiency, and regulatory compliance.

HBC'S Water - Wastewater - Reclaimed Water Engineering Services	
Water/wastewater treatment, pump station and pipeline design	Septic system abandonment programs
Reclaimed water distribution / irrigation	Water main replacement programs
Hardening/resiliency	Trenchless technologies
Pump sizing / replacements	Slip-lining / CIPP / pipe bursting
Condition assessments	Storage tanks
Infiltration/inflow evaluations	Permitting
Hydraulic modeling	Regulatory compliance
Alternatives / analysis / recommendations	Instrumentation & controls / scada
Water hammer modeling	Public outreach
Sanitary sewer evaluations / surveys	Operation manuals
Large diameter pipeline design	Construction administration/inspection
Small diameter pipelines	Utility relocations

HBC has demonstrated substantial expertise in complex water infrastructure design and construction, particularly in large-diameter transmission systems and advanced trenchless technologies. Our team has successfully delivered both finished and raw water transmission projects requiring intricate coordination with utilities, major transportation corridors, and rail systems.

Riviera Water Plant Package 4 | City of Riviera Beach



For the Riviera Water Plant Package 4 Finished Water Distribution System, HBC designed approximately 3,000 linear feet of transmission mains ranging from 20 to 30 inches in diameter, strategically routed to avoid existing utilities and cross major roadways such as President Barack Obama Highway and West Blue Heron Boulevard. The design featured micro-tunneling beneath three Florida East Coast (FEC) railway crossings to minimize service disruptions and ensure structural integrity. Our scope included traffic control, signing and pavement marking plans, pavement restoration, and extensive utility coordination. **This project is on track to be completed On Time and On Budget.**

Riviera Water Plant Package 1B Raw Water Transmission Main Project | City of Riviera Beach



In support of the Riviera Water Plant Package 1B Raw Water Transmission Main project, HBC engineered over 12,000 linear feet of raw water mains, ranging from 10 to 30 inches in diameter, requiring multiple trenchless installations, including three HDDs for roadway crossings and four micro-tunneled segments beneath FEC railways. The alignment connected to several proposed wellheads and traversed existing canals using open-trench methods, with complete development of traffic control and restoration plans. **This project is on track to be completed On Time and On Budget.**

Our team includes Florida-licensed water and wastewater professional engineers with operational experience, ensuring that system reliability, constructability, and maintainability are integrated into every phase of design.

Our services are designed to incorporate infrastructure resiliency and hardening strategies that extend the service life of capital investments while mitigating risks associated with sea level rise and natural disasters. We prioritize the development of comprehensive Maintenance of Traffic (MOT) plans that clearly delineate detour routes, ensure uninterrupted access for local residents and emergency responders, and minimize disruptions to the traveling public throughout all phases of construction.

CONSTRUCTION ADMINISTRATION / FIELD OBSERVATION



HBC offers more than 20 years of experience delivering construction administration and field observation services across South Florida. Our seasoned team of engineers, project administrators, and inspectors supports municipalities in executing infrastructure projects with precision and responsiveness. We provide comprehensive oversight from preconstruction through closeout, ensuring adherence to schedule, budget, design intent, and regulatory compliance.

Our construction administration services encompass document control, contractor coordination, review of submittals and RFIs, schedule oversight, cost monitoring, and resolving field conflicts. Our field observation team keeps detailed records of daily activities, verifies compliance with approved plans and specifications, tracks material testing results, and proactively works to prevent potential construction delays.







HBC'S Construction Administration - Field Observation Services

Construction administration & engineering	Pay application review
Constructability review	Cost & budget management
Value engineering reviews	Track & update construction document changes
Field/site inspections / observations	Requisition for proposal / qualifications
Cost estimating	Preparation of bid documents
Shop drawing review and tracking	Equipment evaluations
Rfi coordination / response	As-build / record drawing preparation
Compliance monitoring & reporting	Monitor & document claims
Prepare work orders / field orders	Claims analysis & settlements
Full or part-time site observation	Start-up, testing, and training
Field reports & records	Services for alternate delivery methods
Schedule analysis and critical path method tracking	Grant compliance documentation (CDBG, HUD, FEMA, ARPA, etc.)
Public outreach support	Verification of MOT compliance
Final punch list development and coordination with city staff for project acceptance	

Representative projects include:

Sweetwater North Drainage Improvement Project - Phase 2 | City of Sweetwater

Provided federally compliant construction inspection and documentation services for this HUD-funded project focused on stormwater infrastructure resilience.

Dolphin Station Park & Ride / Transit Terminal Facility | GMX/MDX

Delivered on-site construction administration for multimodal transit infrastructure, coordinating with multiple agencies to ensure safe, phased execution.

SR 836 and SW 107th Avenue Exit Ramp Reconfiguration | FDOT, GMX

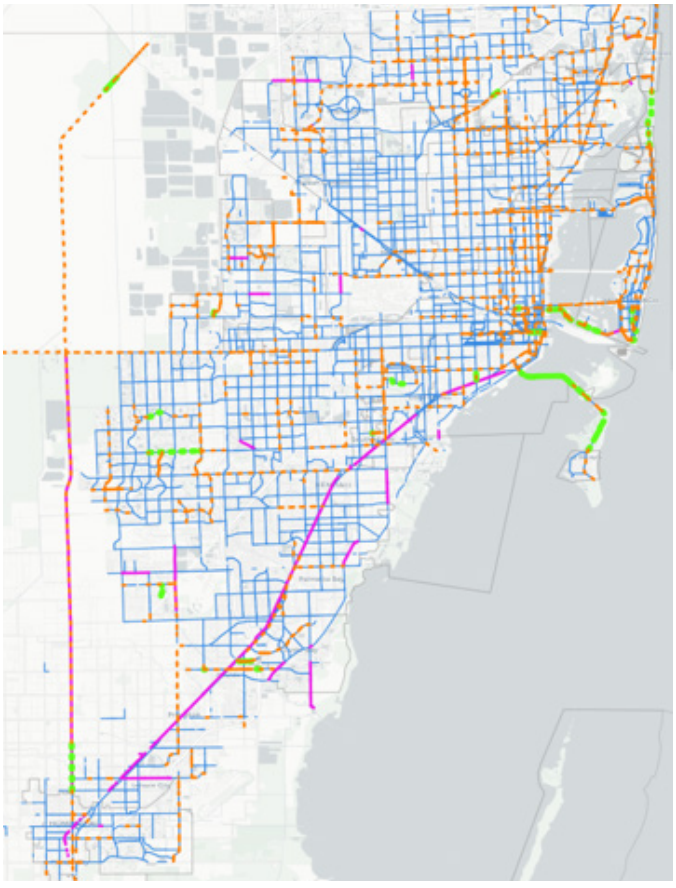
Supported FDOT and GMX with daily field observations, MOT compliance review, and QA/QC documentation during high-volume corridor reconstruction.

Donald Ross Bridge over the ICWW – Bridge Rehabilitation | Palm Beach County

Delivered full CEI support, including inspection documentation, stakeholder coordination, and detour management throughout structural repairs and rehabilitation activities.

These projects demonstrate our capability to manage both horizontal and vertical construction in highly regulated and operationally sensitive environments. With extensive experience in FDOT, municipal, and federally funded projects, HBC is well-equipped to provide the City with diligent, transparent, and accountable construction phase services.

GEOGRAPHICAL INFORMATION SYSTEMS



HBC provides advanced Geographic Information Systems (GIS) services designed to support the effective management of municipal infrastructure, public utilities, and capital improvement programs. Our in-house GIS professionals specialize in the design, implementation, and integration of enterprise-level asset information systems using industry-leading tools such as ArcGIS, ArcGIS Online, AutoCAD, and a suite of Esri-based applications.

Our GIS team offers a wide range of services, including spatial analysis, 3D modeling, LiDAR processing, high-resolution imagery interpretation, digital augmentation, visual simulations, and the creation of interactive dashboards and web-based applications. These solutions enhance the City's ability to visualize, analyze, and manage infrastructure assets in real time, supporting decision-making across planning, maintenance, operations, and emergency response.

HBC develops custom enterprise geodatabases that integrate multiple data platforms into a secure, web-accessible environment. These systems allow for seamless task assignment, field data collection, data editing, and real-time synchronization between field and office teams.

HBC'S Geographic Information Systems Services	
Asset Management	Real Time Data Collection & Reporting
Database Design & Management	Cartographic Mapping
Database Integration	Data Collection
Applications Integration	Data Modeling
Dashboards	Data Management
Visual and Statistical Analyses	

Our GIS expertise has been demonstrated through a diverse portfolio of recent projects, including:

Miami-Dade Department of Transportation and Public Works (DTPW)

Developed GIS layers for the South Dade Bus Rapid Transit Corridor, including proposed roadway, sidewalk, intersection, and water and sewer infrastructure improvements from Dadeland South/SW 88 Street to SW 344 Street.

Miami-Dade Water and Sewer Department (WASD) - Consent Decree Program

Created and maintained GIS layers to support planning, design, and construction of system-wide water and sewer infrastructure improvements.

Palm Beach County Street Lighting Replacement Program

Developed countywide GIS datasets to support inventory management and replacement planning of street lighting infrastructure.

Miami-Dade WASD – Water Main Replacement Program

Generated GIS datasets to support the prioritization and implementation of water infrastructure upgrades throughout the county.

These projects reflect our commitment to delivering high-quality geospatial solutions that streamline data integration, improve asset visibility, and enhance operational efficiency across all project phases.

TECHNICAL APPROACH TO PROJECT



HBC applies a disciplined and proven approach to project execution, refined through years of delivering engineering

services to municipalities and counties throughout South Florida. We understand that the City of Pompano Beach requires responsive, high-quality services to support a wide range of public works and infrastructure improvements under its continuing services contracts. Our methodology emphasizes strong management oversight, proactive coordination, and technical excellence from project initiation through completion.

Each assignment begins with the designation of a dedicated management team led by senior staff who remain directly engaged with City staff on a daily basis. This leadership structure ensures continuity, accountability, and timely responsiveness. Our project managers are supported by a multidisciplinary team of engineers, planners, and technical specialists, enabling us to tailor resources to each task order while maintaining consistent quality and schedule control.

At project initiation, HBC conducts a kickoff meeting to align expectations, define scope, schedule, and budget parameters, and establish communication protocols. We then implement a systematic process incorporating site investigations, data collection, regulatory compliance reviews, and stakeholder coordination to produce well-informed, cost-effective design solutions. Our familiarity with FDOT standards, LAP requirements, permitting requirements, and state and federal regulations streamlines the preparation of construction documents and minimizes review cycles. Through this approach, HBC will consistently deliver projects that meet the City's objectives, adhere to budgetary constraints, and enhance community resilience and infrastructure reliability.

Determination of the City's Goals and Objectives

Upon issuance of a Consultant Service Order, HBC will designate a qualified Task Manager under the direction of Sreelatha Nandivada, PE., our Point of Contact. The assigned Project Manager and discipline leads will promptly meet with City staff to clearly define the City's goals and objectives for the assignment. Our team will assemble and review all available background data, evaluate site-specific conditions, and identify potential constraints or special requirements that may influence project execution. We will conduct comprehensive field reviews, assess permitting considerations, and perform other due diligence activities necessary to ensure a full understanding of the City's priorities.

Scope / Budget / Schedule

With the City's project goals established, HBC will prepare a draft Work Assignment that includes a clearly defined Scope of Services, proposed budget, and a critical path schedule. This draft will be developed in close coordination with City staff to ensure that all required efforts are identified while avoiding unnecessary tasks that could extend the schedule or increase costs. The draft Scope, fees, and schedule will be submitted to the City for review and comment. HBC will then meet with the City's representatives and, through a collaborative and iterative process, finalize the Scope of Services, budget, and schedule to align with the City's objectives and priorities.



Project Management Software

HBC employs BQE CORE, an all-in-one management platform tailored to architecture and engineering professionals. The system provides real-time visibility into project progress and budgets, enabling our team to make informed, proactive decisions. It allows us to allocate tasks, monitor milestones, and track deliverables via interactive Gantt charts and the intuitive Project Center dashboard. Within BQE CORE, we streamline cost tracking and financial oversight across tasks and entire projects. We set up phased budgets, and forecast resource needs accurately, all with live updates to keep projects aligned with financial goals.

Earned Value Analysis

HBC will use Earned Value Analysis (EVA) monthly as a key performance tool to accurately monitor civil engineering projects. EVA combines scope, schedule, and cost into one performance measure, giving real-time insights into whether a project is on track, ahead, or behind schedule, and under or over budget. For the City, this allows early detection of variances during design or construction phases, enabling corrective action before issues grow. By utilizing BQE CORE's analytics, HBC compares actual spending with planned progress, maintaining budget accountability and schedule reliability throughout each project.

Weekly and Monthly Project Review Meetings

HBC will hold weekly internal project review meetings to assess progress, address challenges, and plan next steps. Subconsultants will be engaged at key milestones to ensure their work integrates smoothly into the overall project. Additionally, HBC will conduct monthly review meetings with the City's staff to update schedule, budget, and deliverables. Each monthly invoice will include a detailed status report, giving the city clear visibility to project performance and upcoming activities.

Communication and Coordination

HBC will maintain open and ongoing communication with the City and all project team members to ensure that all stakeholders clearly understand progress, developments, and upcoming milestones. As part of the Project Management Plan (PMP), we will develop a Communications Plan that outlines communication channels, responsibilities, and protocols to improve coordination. Besides traditional methods like phone calls and emails, HBC will use monthly status meetings, teleconferencing, video conferences, and web-based collaboration tools. Secure FTP and cloud platforms will also be employed for document sharing, ensuring timely and efficient exchange of project information.

IMPROVEMENT, OR RENOVATION PROJECTS DESIGN APPROACH



A building, considered for updating or modification, we will approach by starting a thorough investigation of its condition, parameters, and functions. We will research all records at the beginning of the work.

Data Collection



available construction drawings and recent repairs for the structure provided by the city for this project will be reviewed to prepare for the assessment to plan the modification thereof. Reference documents will be important to prepare for the inspection of the building.

- Prior to the field observations, the following documents will be reviewed.
- Prior evaluation report and repair recommendations, if they exist.
- Original drawings and subsequent renovation drawings will be reviewed.
- Geotechnical reports and prior inspection reports too will be checked.
- Checking all history documenting signs of structural deterioration and deficiencies. Tactile examination methods may involve hammer sounding at the surfaces of various elements to check for loose concrete, potential closed corrosion spalls and delamination of the existing and previously repaired conditions.

BUILDING CONDITION ASSESSMENT APPROACH



Our team begins with a comprehensive evaluation of program needs, site constraints, and future expansion considerations to ensure that the facility's structural systems, load capacities, and layout configurations support both current and anticipated demand. Some of these areas are expected to receive significant daily foot traffic, necessitating special attention to load path design, ingress and egress planning, lateral stability, and durability under continuous public use. We apply robust analytical modeling and code-compliant design standards to ensure that all high-occupancy areas are structurally resilient and optimized for safety, comfort, and operational efficiency.

60-Year Recertification of 58th Street Building No. 4 | Miami-Dade County Department



Our experience in the 60-Year Recertification and Condition Assessment of Miami-Dade Public Works Solid Waste Management Building 4. We bring expertise in evaluating structural integrity, addressing long-term deterioration, and implementing preventive design strategies. The project required a detailed understanding of aging infrastructure, structural deterioration mechanisms, and long-term load performance. Our team performed in-depth field inspections, material distress evaluations, and structural analysis to determine rehabilitation needs while supporting uninterrupted facility operations. This experience showcases our

methodology for creating robust load paths, optimizing floor system stiffness, and integrating structural solutions that accommodate high occupancy, advanced AV/IT systems, and seamless coordination with architectural, MEP, and site development requirements. Leveraging these insights, we will apply preventive-design principles, focusing on durability, corrosion protection, efficient load distribution, and ease of inspection which are critical attributes for a municipal facility expected to support high public engagement for decades. Early coordination with architectural, MEP, and site-civil teams ensures that structural systems integrate seamlessly with spatial planning, Commission Chambers technology requirements, parking infrastructure, and overall site development within the Innovation District.

We will evaluate the structural condition of the overall structure and envelope. The evaluation consists of a visual field assessment of the above grade and exposed structural primary and secondary framing members. Depending on the materials of construction this will include columns, beams, spandrel walls, double tees, slab on grade and steel connections. The assessment is performed by our staff engineers, documenting the observable structural deficiencies, including visible concrete cracks and spalls, noticeable deformation and deflections, steel and rebar corrosion of the above referenced structural members. Field notes and photographs will be collected for reference in the condition assessment report. **This project was completed On Time and On Budget.**

Assessment Report

We will compile field notes, prepare a Plan(s) Exhibit with structural components condition evaluation, and basic repair recommendations. This precedes the design document work in the approach phase. This will also necessitate and rough order of magnitude of construction cost because all project budgets must be established to trigger projects reliably.

Opinion of Probable Construction Cost Estimates

Based on the assessment and recommendations completed, a compilation of quantity estimates for the items requiring repair or renovation will precede an opinion of probable construction cost estimate necessary for repairs of the poor and serious conditions. The estimated cost amounts include labor and material costs based on past projects and cost increases. Since no level of design is completed in the approach phase, the cost estimates provided are of rough order of magnitude based on comparative structural project unit costs.

Design of the Project Structure

Having a well-planned approach and functional understanding the design may commence for the building renovation.

The general rule is that the best preparation in our approach to the project results in highest quality of contract documents. So great care is exercised in the approach to the project.



BRIDGE REPAIR APPROACH



Our approach will start with investigation of the area of the project and become familiar with concepts and commitments (typical sections, alignments, etc.) developed from prior studies and/or activities. If a Preliminary Engineering Report is available from a prior Project we willl use any approved concepts in our basis for the design.

The principal intent of the project is to repair the existing structurally decayed or deficient bridge. The roadway approaches will be checked for needing resurfacing/reconstructing as appropriate for the bridge repairs, but as a minimum to the extent.

The anticipated project limits will be established to set limits for the construction area. Project limits may later be adjusted during design based on the bridge alterations and roadway approaches.

The existing roadway typical section and shoulders will be established in the approach to the project to verify construction and design scope along with the existing bridge typical section. The existing capacity (for example 2 lanes) shall remain the same for the renovated bridge.

The approach shall investigate the feasibility of an on-site detour bridge at this location.

Per the FDOT Traffic Operations Office and the Roadway Characteristics Inventory (RCI) Database, the posted (justified) speed limit will be ascertained. We will also verify by Initial field observations if the posted speed limit are consistent with the bridge parameters. Any contradictions to the posted (justified) speeds described will require final coordination with and approval from the Traffic Operations Office having jurisdiction. An appropriate design speed will need to be determined during design.

The existing right-of-way will be verified just in case Right-of-way acquisition is needed to construct the project.

COORDINATION REQUIREMENTS

The project should be coordinated with all adjacent County, State or private projects.

APPROACH TO THE BRIDGE DESIGN PROJECT PROCESS

The project process begins with a clear objective and planning of the work, followed by the project execution and monitoring of performance. The project is then delivered and supported in post design.

DEFINE BRIDGE REPLACEMENT OBJECTIVE

NTP

PROJECT EXECUTION

- DC, Scoping
- Constraints Identification
- Specific Requirements
- Interim Milestones: BDR, Conceptual Plans, 90% Submittal package

MONITOR PERFORMANCE

- QA/QC Reviews
- Budget and Schedule Monitoring

DELIVER

100% construction plans submittal

POST DESIGN SERVICES

The approach will be to avoid impacts on green planting space, trees, and other vegetation within and adjacent to the project limits. Our approach will design the limits of construction and any work activities (including staging, storage of equipment, etc.) to minimize or eliminate a threat to green planting space, existing trees, or their root systems. Any green space or tree impacts perceived to be unavoidable will require landscape repairs as a component of our approach. When there is the potential to impact trees, we shall be prepared to provide and present alternate design scenarios with corresponding cost estimates and implications (drainage, utilities, etc.) as necessitated.

At the conclusion of our approach phase the exigencies of structural and roadway area design will be defined for our pending final design phases

The HBC team consists of qualified, experienced, and licensed firms to provide Professional Engineering Consulting Services related to a continuing contract for Bridge Design and Miscellaneous Structural Engineering Services for the City's Public Works Department in accordance with the requirements of the RFQ.

The work to be accomplished includes site survey, geotechnical investigation, preliminary design sketches, public involvement, detailed structural analysis, development of construction drawings, technical specifications for materials and construction methods, preparing construction cost estimates, permitting, utility coordination and utility relocation design, drainage design, preparing bidding documents and post design services, preparing final load rating analysis as per FDOT standards.

If selected by City of Pompano Beach, the HBC team will provide Bridge Design and Miscellaneous Structural Engineering Services for city owned seawalls, bulkheads, bridges, water/wastewater structures, and other miscellaneous structures. The projects may include structural inspection, condition assessment, evaluation of structural integrity, developing master plans, designing new structures with complete replacement phasing stages, and designing the rehabilitation and strengthening existing structures using conventional and advanced materials, such as composites and fiber reinforced polymers, analysis, evaluation, load rating, preparation of construction documents and support for all structures, permitting, bidding, bid evaluation, cost estimation. Additional services may include grant application and staff augmentation as well.

At HBC, we have core tenants that begin with safety and environmental stewardship. All we do begins with these two commitments, and when a design idea or delivery cannot meet one of these two tenants, we pause and find a solution that can.

BRIDGE REPLACEMENT DESIGN APPROACH



Our approach provides a high level outline for delivering effective bridge replacement solutions tailored to each project's constraints and objectives. Our priorities are to accelerate the design process through early data collection, focused alternatives analysis, and close coordination with stakeholders, while minimizing environmental impacts and streamlining the permitting process. We emphasize the use of durable, low

maintenance, and highly corrosion resistant materials and systems to extend service life and reduce long term lifecycle costs. Constructability is a key consideration, with phased construction strategies and prefabricated elements used where feasible to reduce on site duration. Throughout construction, we prioritize maintaining traffic flow, protecting adjacent infrastructure, and minimizing impacts to surrounding communities while ensuring safety and regulatory compliance.



To achieve this, our approach includes:

- Evaluate the span arrangement and coordinate closely with City of Pompano Beach Maintaining to determine the span length and bridge geometry as quickly as possible in the BDR stage. Coordinate with the geotechnical engineer to determine the boring layout and permitting plans for borings once the bridge span arrangement is selected. Early submittal for the boring permits is critical for the project schedules.
- Maintaining accessibility to surrounding communities and implementing a two-phase construction approach to maintain the existing traffic.
- Developing detailed Temporary Traffic Control Plans (TTCP) for safe and efficient traffic and pedestrian movement.
- Identifying and temporarily relocating existing bridge-supported utilities, as necessary.

For Bridges with low Average Daily Traffic (ADT) and Average Daily Truck Traffic (ADTT), to optimize cost and efficiency, we propose a Florida Slab Beam (FSB) system for replacements. In addition to implementing strategies minimizing public disruption mentioned above, we propose fewer spans with increased span length to optimize cost and construction efficiency. We will consider placing the new end bents behind the existing seawalls, which will slightly increase the bridge length but prevent interference with the environment during the construction. New seawalls will be placed under the new end bents and will act independently of the existing seawalls. Reduced bents in the water minimize the impact to the environment and hydraulics and will facilitate the permitting process both for geotechnical boring and final construction. Proposed span configuration and FSB type will be finalized in the BDR stage and carried into the final design phase.

For bridges in close proximity to residential areas, minimizing vibration and noise is a top priority. To address this, we propose drilled shafts, auger cast piles, or micropiles as foundation solutions to reduce vibration and noise significantly, mitigating community concerns and potential city liability. To maintain traffic in bridge replacement projects, existing bridge will be removed in phases as a part of phased construction processes. Use of driven piles for the new bridge construction will have impact to the existing pile foundation and affect stability of the existing foundation. For bridges in a marine environment, we will further investigate and select the optimal materials including stainless steel, GFRP, and concrete admixtures to enhance its performance

against corrosion, based on the experience we have from our current Venetian Causeway bridge replacement for DTWP Miami-Dade County. Limiting road closure reduces the detour length and potential conflicts that additional traffic movements. We will meet with Fort Lauderdale city staff to understand what outreach has already been conducted and what tolerance the residents and the city have for the continued duration of the road closure. Our contract administration team will be working with the contractor to identify any potential opportunities for early completion throughout the construction.

Preliminary bridge design calculations will be performed and preliminary roadway and bridge drawings will be developed for use in completing geotechnical borings, traffic control plans, and public involvement. We will present this preliminary design to City staff for concurrence before proceeding with the full design.

Alternate structure types and span configurations will be evaluated during design and presented in the Bridge Alternative Study for consideration by Department. During evaluation, issues and concerns will be identified for alternates and solutions will be proposed. Each option will be evaluated for constructability concerns.

As alternates are evaluated, more detailed analyses will allow for identification of preferred right-of-way options. The completion and review of bridge designs are accomplished in the following phases: BDR , 90% Substructure Submittal , 90% Structures Plans, 100% Structures Plans.

Structural designs are developed under the direction of the Structures Design Office (SDO) and the District Structures Design Offices (DSDO). Bridge design will be in accordance with:

- FDOT Bridge Design Manual and Bridge Design Memorandums
- The Structures Manual
- The Standard Plans
- The AASHTO-LRFD Bridge Design Specifications as referenced in the Structures Manual
- Applicable FHWA Directives
- Other criteria as specified by the Department

Design, preliminary plans, right-of-way plans, and final construction plans will be prepared for City of Pompano Beach's selected alternative. For the selected alternate, constructability reviews will be performed for preliminary, and right-of-way plans, and any recommendations will be presented. Designs and plans will undergo a thorough QA/QC check for accuracy, completeness, and conformance to the latest FDOT practices and procedures. Final bid documents including engineer's estimate and project special provisions will be prepared to accompany final construction plans.



Our contract administration team will continuously work with our designers to identify additional opportunities for early reduced contract time and completion through constructability reviews during the design phase.

Before beginning this work, we will participate in a scoping meeting with the City. This critical meeting will define the expectations for the development of our agreement. We would look to formalize the agreement as quickly as possible to make sure we have ample time to complete the project in accordance with any municipal funding agreements you may have in place.

We will develop the traffic control plans and work with the City to perform any public outreach desired.

We believe public outreach is essential to residential buy-in for the detour. We will provide the City with weekly progress updates and/or create our own site where residents can view the progress.

Our erosion control plans will account for the project's relationship to the stream.

Our CEI erosion control team will perform and document all inspections as required by NCDEQ with the contractor. This close coordination is the best way to keep the project clean.

Preliminary cost estimates will be developed, and historic and natural resource data quantified for environmental analysis of the project corridor. The design team will use all this information to prepare preliminary plans to take advantage of unique opportunities while minimizing impacts and reducing construction costs. The information supporting the recommended improvements, including all design assumptions, will be presented to City staff and FDOT (if applicable) for review.

DATA COLLECTION & SURVEYING APPROACH



KEITH will perform control surveys, and topographic surveys using terrestrial scanning (lidar) and traditional survey, underground utility investigation (SUE) surveys, including quality Levels A and B, drainage surveys, as well as determination of right-of-way lines, subdivision lines, and recovering of the historical baseline of survey. Prior to obtaining field verified survey information, GIS data may be used to identify sensitive areas within the project design limits and provide a better understanding of site opportunities.

Engineering/Design Surveys

KEITH has a vast experience on preparing 3D design surveys for the engineering/design process. All of our 3D surveys are completed using remote sensing with laser scanning.

Control Surveys

Our team is experienced on establishing primary horizontal and vertical control. The project control will be established on North American Datum of 1983 (NAD 83) and on North American Vertical Datum of 1988 (NAVD88).

Horizontal control will be established by performing GPS observations, while vertical values will be obtained by completing a double observation digital level run.

3D Design Survey Approach

Depending on project needs, our team will propose the best survey approach to collect the 3D features. KEITH owns and operates all existing lidar platforms - from fixed-wing aircraft to perform the topographic survey of a large corridor, to static laser scanners for the 3D modeling (BIM) of seawalls, bulkheads, and bridge and water/wastewater structures.

Boundary Survey

KEITH has experience on the preparation of boundary surveys and sketch and legal descriptions. We are familiar with the Broward County Property Appraiser and Clerk of the Court websites to retrieve the most updated recorded information, including recorded plats and deeds. We will contact the FDOT District 4 right-of-way group to request existing right-of-way maps, maintenance maps, control survey, or any other documents to support the determination of boundary and/or right-of-way lines.

GIS Mapping

The KEITH Team provides an unparalleled, multi-disciplinary team of Professional Surveyors and Mappers (PSM), GIS Professionals (GISP), CAD/GIS technicians and programmers all with hands on experience. We offer a team of experienced practitioners who understand the full system development life cycle and the importance of approaching each project systematically in this regard. Our team has been working in association with regional municipalities for more than 10 years to provide information, develop, and improve CAD/GIS functionality for these City partners. We routinely apply CAD/GIS tools and techniques to standardize not only an efficient workflow, but a seamless communication process with each city.

Subsurface Utility Engineering

Our Planning and Landscape Architecture Studio brings a fusion of creativity, sensibility, and vision to guide and assist with smart, long-term decisions that result in preserved or enhanced value for our projects and our community. Regardless of the scope of the project, we bring experience, knowledge, fresh energy, innovation and palpable enthusiasm to every project engagement, from pre-start through post-completion.

The KEITH Team believes that a thorough understanding of codes, land use regulatory agencies, entitlement process, and more is required to navigate the development of a community. Our Teams' approach to planning looks at creating form and ensuring the function of the space measures to the environment and community's needs. Our Team has worked as City Planners, Planning Directors, and as City Planning Consultants for various municipalities to guide everything from public engagement, vision planning, due diligence, and rezoning through entitlement. Through their time in public service, they gained valuable insight into the constraints, challenges and opportunities public agencies encounter as they carry-out their mandates.



This understanding informs their approach when overseeing public agency contracts. In addition to the public sector, our Team has a sound grasp on the needs for private development. This balance approached allows our Team to provide insight on a wide variety of projects, while considering every angle of response.



KEITH has a vast amount of experience in providing professional planning services. This includes long-range planning services, comprised of comprehensive planning, evaluation, and appraisal reports, preparation of land development applications including, rezoning, platting, delegation requests, and site planning. Our planners have the knowledge and expertise to meet the needs of a wide variety of general planning design and development services. Our Team is experienced in all aspects of planning, including the creation of a framework in which development parcels, massing, heights, relationships of buildings, circulation and streets are defined in enough detail to define predictable outcomes, but with sufficient flexibility to allow various responses to actual developers and designers, of which there may be several within one master plan area.

We also have significant expertise with planned unit developments, form-based codes and non-physical aspects of master planning, such as funding, scheduling, and phasing. Our Team has prepared master plans for various jurisdictions and agencies. We can also provide numerous planning studies including, but not limited to, parking studies, corridor studies, state-mandated planning reports, urban design analysis, transfer of development rights, community liaison, and numerous types of feasibility studies. We understand the necessity for continual input during the conceptual site planning design stages to assure a satisfactory final community site plan.

The KEITH Team believes that landscape architecture is the creative fusion of art and science to develop resilient solutions for the community. Our team of experts provides a wide range of services that blend our multi-disciplinary approach to create a solution for each development scenario. These solutions start with creative thinking, and decades of experience, and end with the development of community.

Our team has provided innovative designs for institutional and commercial projects, residential and mixed-use developments, streetscape and roadway beautification, active and passive parks, plazas, and various urban redevelopments. Whether it is by creatively meeting the intent of the code or creating spectacular lush destinations —we bring experience, knowledge, fresh energy, and innovation to every project.

KEITH has a vast amount of experience in providing professional landscape architectural services and has worked with dozens of agencies with similar general services contracts. This includes all phases of development from site due diligence and analysis, visioning and conceptual design, development of technical construction drawings through to construction and project close-out. Plans provided may include site plans, hardscape plans, fine grading, site lighting and photometrics, planting and irrigation design, specialty features, pools and water features and the supporting details. Our team communicates these solutions in a variety of formats including hand renderings, CADD, BIM or 3D Visualization to ensure ideas are clearly understood by the public, elected officials and/or the contractors. From the broadest stroke to the finest detail, our collective team is prepared to deliver.

In addition to landscape architecture, our team has licensed experts to provide Certified Arborist services. Combined with our geospatial team, our arborists will locate, identify, and accurately assess all the existing tree and palm canopy species on a site. The team will work with the local agency, contractors, and owners to determine the appropriate mitigation, preservation, or relocation efforts a site might require. From being in the field collecting data to successfully navigating an agency's mitigation/entitlement process, our team has the knowledge and experience needed to get the job done.

SPECIAL INSPECTIONS APPROACH



The approach to special inspections begins with the project structural drawings which provide the design and specifications that must be enforced during the construction. We have provide these services repeatedly and follow what has been a reliable approach.

Task 1: Data Collection, Kickoff Meeting and Preparatory work

Our approach starts with reviewing a complete file of data collection:

- Review available documentation including but not limited to, special inspector form construction schedule, geotechnical report, permit drawings, shop drawings and applicable supplements to the construction documents (responses to RFIs and field sketches) provided by Client.
- Attend a construction kick off meeting (in person or virtual) to review field safety plan, quality control procedures, notifications for field observations, maintenance of jobsite inspection log, and communications protocols.
- Prior to commencing fieldwork, we circulate a project specific inspection report template to support inspection findings for progress submission to the Building Department.

Task 2: Field Observations and Reporting

We will use the data collected and protocols developed in Task 1 to inspect the structural components for conformance with the approved construction documents.

Based on the anticipated schedule discussed, we will the number of anticipated individual inspections which will be required to allow for sufficient observations without interfering with the cadence of the construction efforts. Our approach plans during or subsequent to each field visit, we will inform the contractor of findings and required corrective actions if necessary. Key observations will be memorialized in the inspection log maintained at the jobsite.

Subsequent to each field visit, a report signed by a Professional Engineer licenced in the State of Florida will be submitted to the City and the Building Department. The report will clearly indicate the areas / elements observed, action

required and referenced construction documents used for conformance. Our approach will include the key activities identified in advance for the proposed structural design/construction.

Task 3: Execution

Our approach will identify the required deliverables for the project and the destinations if several are needed. They will include:

Field Observations Reports Sealed by PE (PDF)

Final Compliance Letter Sealed by PE (PDF)

Our approach is based on many projects of this kind. For walls with a modest draft, the approach does not require divers. A modest draft would be 15 feet. The existing conditions are within the Initial task would include the geometric and vertical assessments to establish the seawall basic parameters. waterside and landside. The latter would indicate subsidence if depressions existed.

The following activities are anticipated for our approach to assemble basic criteria and project requirements necessary prior to developing schematic design documents. This phase will require desktop studies and based on the feedback from interactions with the facilities owner / operator.

- Compiling of applicable building codes, design standards and local ordinances applicable to parking garage building structures.
- Assembling of design parameters (size, clearances, relative elevations).
- Review of lengths, width, and surcharges.
- As required establishment of minimum requirements for engineering documents required for a grant application. The above approach will be included in a Draft Basis of Design for later reference. Gathering of landside features such as walkways, driveways and coordination of elevations with adjacent buildings or elevations.
- Establish geometrical and infrastructure provisions.
- Determination of transitions if required based upon applicable guidelines, ordinances and specific limitation for handicapped pedestrians.
- Review of available geotechnical information and recommendations for foundation system (likely deep foundation piles).
- Review of topographic and SUE surveys.
- Preparation of Basis of Design summary.
- As required establishment of minimum requirements for engineering documents required for a grant application.

The expected outcome for this approach is to provide the design team and client with the basic structural proportioning and geometrical information to be used for the development of site / building plans, typical sections and elevations for use later in the project drawings.



MISCELLANEOUS STRUCTURES DESIGN AND ROADWAY IMPROVEMENTS APPROACH



Our technical approach to mast arm signalization projects emphasizes structural reliability, safety, long-term durability, and compliance with all applicable FDOT and local agency standards. Mast arm structures are critical traffic control components, and our design methodology ensures that each installation performs safely under demanding traffic conditions, environmental loads, and operational stresses.

We begin by evaluating site-specific conditions, including intersection geometry, roadway classification, utility conflicts, pedestrian movements, and the required signal head and signage loading. Using these parameters, our team performs detailed structural modeling in accordance with the latest FDOT Design Standards, AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, and local jurisdictional criteria. Wind load analysis is conducted using the appropriate wind speed maps for hurricane-prone regions, accounting for gust effects, fatigue considerations, and cyclic loading to ensure long-term structural performance.

Our design includes foundations based on geotechnical data, mast arm lengths and configurations, and the resulting moment and shear demands. Special consideration is given to underground utilities, drainage structures, and right-of-way constraints to avoid conflicts and minimize construction impacts. Where existing mast arms are being replaced, we evaluate staging requirements to maintain signal operations and traffic flow during construction.

Additionally, we coordinate closely with electrical and signal system designers to ensure proper conduit routing, handhole placement, grounding, cabinet locations, and compatibility with ITS components and communication systems. All attachments, including signal heads, cameras, signs, and pedestrian equipment, are incorporated into the structural loading analysis to prevent overstress and ensure compliance.

Quality control is maintained through internal peer review, verification of shop drawings, and coordination with fabricators to address material specifications, coatings, weld quality, and adherence to FDOT-approved product listings. During construction, we support contractors and the City/Agency with RFI responses, foundation inspections, mast arm installation guidance, and field adjustments as needed.

Through this comprehensive approach, precise structural analysis, interdisciplinary coordination, and adherence to rigorous standards, we deliver mast arm designs that provide safe, dependable, and long-lasting signalization at critical intersections.

STORMWATER CAPITAL PROJECT APPROACH



The City requires comprehensive, multidisciplinary engineering services to plan, design, permit, construct, and maintain stormwater infrastructure that mitigates flooding, improves water quality, and enhances long-term system resilience. Our team provides end-to-end stormwater capital project support using proven engineering practices, regulatory expertise, and data-driven decision-making.

Analysis & Planning

We provide advanced hydrologic and hydraulic (H/H) analyses to support informed stormwater planning and capital investment decisions. Services include watershed and sub-basin delineation, rainfall-runoff modeling, conveyance and storage capacity evaluations, and flood risk assessments under existing and future conditions, including climate variability and sea-level rise where applicable. We prepare Stormwater Master Plans (SWMPs) that prioritize projects based on risk reduction, regulatory compliance, lifecycle cost, and community benefit. Cost-benefit analyses are performed to evaluate alternatives and optimize capital expenditures while maximizing flood mitigation and water quality outcomes.

Design & Construction

Our design services include the preparation of complete construction documents for both gray and green stormwater infrastructure. This includes bioswales, rain gardens, permeable systems, detention and retention facilities, culverts, storm drains, outfalls, and associated appurtenances. Designs incorporate constructability, maintainability, and resilience considerations, as well as compliance with City, State, and Federal design standards. During construction, we provide engineering support services such as bid assistance, shop drawing review, responses to RFIs, construction observation, and erosion and sedimentation control oversight to ensure projects are delivered safely, on schedule, and within budget.

Water Quality

We design stormwater treatment systems and Best Management Practices (BMPs) to reduce pollutant loads, improve receiving water quality, and support regulatory compliance. Services include pollutant load modeling, selection and sizing of structural and non-structural BMPs, and integration of low-impact development (LID) strategies. We also support stream and river restoration projects, including channel stabilization, habitat enhancement, and riparian buffer improvements, to restore natural hydrologic function and improve ecological health.

Permitting & Compliance

Our team manages the permitting process from project initiation through approval, coordinating with Federal, State, and local agencies. This includes preparation of permit applications, technical memoranda, and supporting analyses for applicable regulations such as NPDES, environmental resource permits, floodplain development

requirements, and local stormwater ordinances. We ensure that all projects meet regulatory requirements while minimizing permitting risks and schedule impacts.

Monitoring & Maintenance

We support long-term system performance through hydrologic and water quality monitoring programs, including flow and stage monitoring, data collection, and performance evaluation. Our services also include asset inventory development, condition assessment, and asset management planning for existing stormwater infrastructure. These efforts help the City prioritize maintenance and rehabilitation needs, extend asset service life, and optimize operational budgets.

Public Engagement

Recognizing the importance of community involvement, we assist the City with public engagement and outreach efforts. Services include the development of public education materials, project exhibits, and informational content explaining stormwater improvements and their benefits. We also utilize GIS-based mapping and visualization tools to support stakeholder communication, enhance transparency, and facilitate informed decision-making by City staff, elected officials, and the public.

MOT & TTCP APPROACH



We will develop the traffic control plans and work with the City to perform any public outreach desired. We believe public outreach is essential to residential buy-in for the detour. We will provide the City with weekly progress updates and/or create our own site where residents can view the progress.

Maintaining traffic flow and accessibility throughout the construction process is a critical component of any infrastructure project. For the replacement of the Bayview Drive Bridge, a well-structured Temporary Traffic Control Plan (TTCP) will be developed to ensure safe and efficient movement of vehicles, pedestrians, and emergency responders. This plan will address potential disruptions, optimize detour routes, and provide clear communication to all affected parties.

The Temporary Traffic Control Plan (TTCP) will implement a two-phase bridge replacement strategy, allowing traffic flow throughout construction.

This strategic phased construction approach ensures continuous island access while minimizing disruptions, maintaining safety, and facilitating emergency response throughout the bridge replacement process.

To further mitigate the impact on the community, a comprehensive Community Awareness Plan will be

implemented. This will include public notifications, construction alerts, and using dedicated community channels for updates.

Additionally, coordination with stakeholders, local businesses, and emergency services will be a priority to ensure seamless operations. Emergency response teams will be kept informed of detour plans, and provisions will be made to maintain response times in case of an incident. By integrating a strategic traffic control plan, proactive community engagement, and effective stakeholder coordination, the construction phase will proceed smoothly while minimizing inconvenience to residents and ensuring overall project success.

GEOTECHNICAL APPROACH

The replacement of existing bridges overwater in the residential communities of Pompano Beach requires careful geotechnical consideration due to the region's unique subsurface and environmental conditions. The area is characterized by shallow groundwater levels, coastal soil deposits consisting of soft/highly compressible organic soils, and variable fill materials, which can significantly impact the selection and performance of foundation systems. Subsurface investigations typically encounter layers of loose to medium-dense sands, soft clayey soils, peat, and, at greater depths, more competent sands or weathered limestone. These conditions present challenges related to bearing capacity, settlement, and potential long-term consolidation, particularly if shallow foundations are considered. The environmental classification in the bridge areas is classified as extremely aggressive based on FDOT criteria given their relatively close location to ocean and high chloride content in the water.

Given these constraints, deep foundations are generally recommended to bypass unsuitable near-surface soils and transfer structural loads to more stable layers at depth. Additional geotechnical concerns include lateral load resistance due to water flow and potential vessel impact, aswell as scour potential around the foundations, especially during storm events or tidal surges. Construction methods must also account for access limitations, vibration sensitivity in residential areas, and the need for temporary dewatering or cofferdam systems. Deep foundations that do not cause or utilize vibrations means and methods for their installation —such as augercast in place concrete piles , micropiles or drilled shafts (using non-vibratory methods of casing installation) are preferable. The feasibility of using precast prestressed concrete driven piles will also be considered considering the use of preforming measures and 100% dynamic load testing to minimize the amount of pile driving and hence vibrations on surrounding properties.

A detailed geotechnical investigation and laboratory testing program, is essential to assess soil properties, perform geotechnical analyses and support bridge foundation design. Additionally, close coordination with structural and environmental teams will also be required to ensure that the bridge replacements are both safe and sustainable within these sensitive coastal environments. Special measures including corrosion resistant concrete and steel reinforcement will have to be considered for







the substructures and superstructures given the extremely aggressive conditions of the sites.

Florida Engineering & Testing has highly qualified team that has worked in multiple projects in Florida. Based on our experience in this area, the subsurface typically consists of granular soils followed by varying mix of sand, limestone, and cemented sand. Based on our review of the Broward County Future Conditions 100-year flood map 2060, the 100-year flood elevation in this area varies from about el +4.5 to el +7.5 (NAVD88).

Bridge Specific Anticipated Geotechnical Challenges:

- Limited working space.
- MOT requirements for pavement cores and borings
- Utility coordination.

Cores and borings will need to be performed with MOT. Field work will need to be coordinated and performed at times and locations that will minimize impact to residents.

18-inch and 24-inch prestressed, precast square concrete piles are typically used to support these bridges. Bridge piers may be close to houses where vibration/settlement may be a concern. Predrilling of pile holes will be considered to minimize vibration. 100% PDA will be considered to reduce pile loads. Alternate foundation types such as drilled shafts (with casing installed via non-vibratory methods), H-piles, or micropiles will also be considered in these areas.

Vibration and Settlement

The proposed construction is in an urban area and the new foundations are expected to be between 20 and 50 feet away from the existing bridge foundations.

During construction, the following procedure will be followed to protect existing structures:

- The existing facility and bridge structures located adjacent to the right of way will be monitored for vibration and settlement for the duration of piling operations in accordance with Section 108 of the FDOT Standard Specifications.
- Prior to construction, the facilities/houses within the monitoring limits will be monitored to establish a baseline vibration level.
- Predrilling of pile holes will be considered to minimize vibration to existing adjacent structures.
- 100% PDA will be considered to reduce pile loads and to minimize vibrations.
- Alternative foundation types such as drilled shafts (with casing installed via non-vibratory methods), H-piles, or micropiles will also be considered.

Pavement Evaluation

Subsurface investigation including pavement cores and laboratory testing will be performed to investigate the pavement section. A new pavement section can be designed depending on the design ESAL (Equivalent Single Axle Load) provided by the Civil Engineer. Potential cost-saving alternatives will be evaluated. These alternatives will include evaluating the use of geogrid/geotextiles and/or using Highly Modified Asphalt (HiMA) containing high polymer binder.

ENVIRONMENTAL, PERMITTING AND H&H APPROACH



When the data assembly is complete, a full review and site analysis will be performed to identify appropriate areas for proposed improvements. Our review will include a geotechnical report that details foundation and earthwork recommendations. Our team will run the hydrologic analysis and complete the environmental permitting, which will drive the design.

Through the successful execution of many marine structural projects in South Florida by current staff who each have more than 25 years of relevant experience, including bridges, shoreline stabilization, stormwater infrastructure, marinas and piers, Moffatt & Nichol has gained a keen understanding and awareness of federal, state, county and local permitting requirements. Each project is unique -- based on the location and scope of construction activities, a permit matrix will be developed early in the planning process to identify and track the progress of all required permits. Key recommended action items, decision points and milestones will be identified at the beginning of the project and discussed with the City throughout the project, as appropriate. Our experience allows us to anticipate the information the agencies will require and our approach is to make the permit application review processes as straightforward as possible for agency staff. Our excellent, long-standing relationships with South Florida environmental permitting agency staff further support our effectiveness with managing the required permitting processes and we are diligent to follow up to efficiently address agency requests for clarification and additional information.Our experienced environmental/permitting staff will support the development of an appropriate project-specific data collection scope of work. We strongly recommend and typically conduct meetings early in the project to confirm agency-specific requirements and any potential items of concern. The value of these discussions is enhanced by our experience which allows us to ask the right questions and proactively discuss ways to overcome any potential challenges to the permitting process, including preparation of Environmental Assessments, drafting Section 7 protected species consultation documents, development of project site/design alternatives analysis and production of mitigation plans. We are adept at preparing comprehensive environmental permit applications and supporting documentation with all relevant agencies including the U.S. Army Corps of Engineers (USACE), Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), Florida Department of Transportation and Broward County.

Moffatt & Nichol environmental project managers have experience with bridge projects in South Florida tidal waters and can address completion of appropriate biological assessments to demonstrate compliance with regulatory agency environmental impact avoidance, minimization and mitigation criteria. Staff have extensive experience securing environmental permits for a projects in a variety of South Florida marine habitats, including those with unavoidable impacts to seagrass and coastal wetlands which require mitigation.

Moffatt & Nichol is familiar with the State exemption that can cover certain bridge replacement activities pursuant to Section 403.813(1)(l), Florida Statutes, and Section 62-330.051 Florida Administrative Code. For activities which do not qualify for exemption, staff have a broad range of experience negotiating General Permit and Individual Environmental Resource Permit authorizations with both the SFWMD and FDEP.

The USACE can authorize bridge replacements which meet Nationwide 14 qualification requirements, which include no dredge or fill and no substantial water quality or listed species issues. If a project requires higher-level federal authorizations, M&N staff also have extensive experience negotiating Letters of Permission and Individual Permits.

The type of environmental document required will likely be a Categorical Exclusion (CE). The team is very experienced in the document preparation and agency coordination necessary to complete the CE efficiently and successfully satisfy the NEPA requirements.

Construction methodologies will be developed on a project-specific basis to provide assurances related to compliance with State water quality criteria and avoidance of impact to protected species in support of compliance with the Endangered Species Act and state/county permit conditions.

Our goal is to achieve a No-Rise, the design alternatives may include lengthening the bridge, raising the grade while maintaining the low chord, and others. After finalizing the design, the H&H engineer will submit the stamped No-Rise letter to the City, and any additional community coordination needed will be completed at that point. Deliverables for this portion include, Stamped H&H Report, including Project Summary ,Correspondence, Site Inspection Report with Pictures, Hydrological & Hydraulic Analysis, Erosion & Scour Analysis or Recommendations (if applicable), Conclusions & Recommendations, Stamped No-Rise Letter (if applicable)

SIGNING AND PAVEMENT MARKING APPROACH



HBC will detail a well-designed signing and pavement marking (SPM) plan is essential for ensuring safety and efficient traffic flow during and after a bridge replacement. Temporary signage will include advance warnings, detour guidance, work zone safety signs, and pedestrian detour markers, while temporary pavement markings will define lane shifts, crosswalks, and traffic flow adjustments if necessary. Once construction is complete, permanent signage and markings will be installed per the Manual on Uniform Traffic Control Devices (MUTCD) and local standards, including regulatory signs for speed limits, weight restrictions, and clearances, as well as lane striping, stop bars, and crosswalks using high-visibility materials. Reflective markers and ADA-compliant pedestrian features will enhance safety, while guide signs will ensure seamless navigation. Proper implementation of these elements will minimize disruptions, enhance visibility, and provide a smooth transition to the new bridge infrastructure. For all additional miscellaneous structural work, SPM services will be provided as needed to ensure the roadway is restored to pristine condition, maintaining safety, durability, and compliance with design standards.

HBC'S UTILITY COORDINATION EXPERIENCE IN BROWARD COUNTY AND THE CITY



HBC is providing comprehensive utility coordination services successfully for the Florida Department of Transportation (FDOT) District 4 (D4) SR-7/US-441 Transit Corridor Improvements Projects, FDOT D4 SR-817/University Drive from Nova Drive to SR-84 Widening Project, Florida's Turnpike Enterprise (FTE) Southern Turnpike CCTV Upgrades System Wide Project, and City of Fort Lauderdale Riverwalk North Seawall Replacement Project. For the past 18 years, HBC has successfully provided professional engineering consulting services, including utility coordination, for various government and municipal clients throughout South Florida, and has developed positive working relationships with numerous project UAOs, Authorities Having Jurisdiction (AHJs), and stakeholders. HBC is also aware of the critical aspect of coordinating delicate natural gas utilities, which are present in two of the three proposed bridge replacement projects.

HBC implements best practices, such as avoiding utilities whenever feasible and following the three Cs: Communication, Cooperation, and Coordination. HBC will make sure all utility coordination activities and relocation work comply with local, state, and federal regulations, including FDOT's 2017 Utility Accommodation Manual (UAM) and the City's standards, specifications, and processes.

HBC's proven utility coordination efforts ensure that each project's Utility Certification Package (UCP) is SUCCESSFULLY executed and delivered on time.

NON LINEAR FINITE ELEMENT ANALYSIS APPROACH



HBC Engineering provides exceptionally qualified personnel to perform the design and extensive analysis services including Nonlinear Finite Element Analysis. Our Senior Structural Engineer, Bunrith Heng was responsible for the structural analysis and performing nonlinear P-delta finite element analysis of steel structures using CSI SAP2000 software for various buildings. He also performed geometrically and materially nonlinear analysis of steel connections using component base finite analysis software CBFEA using IdeaStatica and has extensive experience in performing nonlinear analysis of soil foundation interaction , performing nonlinear crack section analysis of concrete slab to determine long-term deflection subject to nonlinearity such as the effect of crack concrete, shrinkage, and creep.

As the Senior Structural Engineer for the **Thru by Hilton Hotel** in Condado, Puerto Rico, Bunrith Heng performed the nonlinear structural analysis of an eight-story post-tensioned concrete building with an elevated car park. He conducted seismic and irregularity analysis using ETABS, designed reinforced concrete shear walls and columns, and performed nonlinear steel connection analysis using IdeaStatica. He also completed punching shear and stud rail design, foundation analysis, and coordinated post-tensioning data. This project required detailed evaluation of complex structural behavior and connection performance under dynamic loading.

For the **Element Hotel by Westin** in Grand Lagoon, Florida, Bunrith was responsible for the nonlinear modeling and analysis of a five-story hotel featuring CMU walls with post-tension slabs and hollow core plank systems. He performed nonlinear analysis of steel transferred beams and columns using SAP2000, conducted steel connection design using IdeaStatica, and led the structural design of masonry shear walls and concrete foundations using CSi SAFE. His efforts focused on ensuring compliance through nonlinear modeling and evaluation of joint response under loading.

At the **Beast Code Office** in Ft. Walton Beach, Florida, Bunrith provided nonlinear structural analysis and design for a two-story office and data center with 50-foot composite steel joists, steel girders, and composite decking. He utilized ETABS for structural modeling, performed nonlinear connection analysis with IdeaStatica, and coordinated foundation and framing designs with Vulcraft. His work addressed the nonlinear behavior of long-span steel framing. and ensured the structural system met performance requirements under service and design loads.

PUBLIC INVOLVEMENT





A comprehensive Public Involvement Plan (PIP) is necessary for successfully carrying out any public involvement effort. A well-organized and effective PIP streamlines the public involvement process by creating an organized methodology for optimizing the use of available resources and minimizing project delays by coordinating with other projects that have concurrent tasks and milestones. Each implementation phase has its own corresponding plan, which ensures that customers have consistent and regular information.

Media Relations Group, LLC (MRG) implements a City-coordinated, community-centered approach to public involvement, ensuring that every project stakeholder from residents, businesses, elected officials, to CRAs are actively engaged throughout the project lifecycle.

Our approach is built on a foundation of trust, transparency, and accessibility with the city:

- **Coordination with the City of Pompano Beach:** MRG works directly with project managers, engineers, and CRA staff to align outreach with city priorities, project schedules, and branding**.**
- **Community Awareness Plans (CAPs):** MRG develops customized CAPs tailored for each project, detailing outreach strategies, schedules, and communication channels.
- **Stakeholder Identification & Targeted Engagement:** We maintain robust databases of residents, businesses, elected officials, and CRA stakeholders to ensure accurate and timely notifications.
- **Public Meetings & Hearings:** Coordination of in-person, virtual, and hybrid events, including pre- and post-meeting follow-up, to maximize participation and feedback.
- **Multilingual Outreach Materials:** Production of flyers, newsletters, web content, social media posts, and signage in English, Spanish, and Creole, all subject to QA/QC review.
- **Door-to-Door & Direct Notifications:** Personalized engagement with impacted residents and businesses, including door hangers, mailings, and neighborhood canvassing.
- **Ongoing Community Support & Concern Mitigation:** Monitoring public sentiment, identifying potential concerns early, and implementing mitigation strategies to minimize disruption and maintain positive community relations for project success.

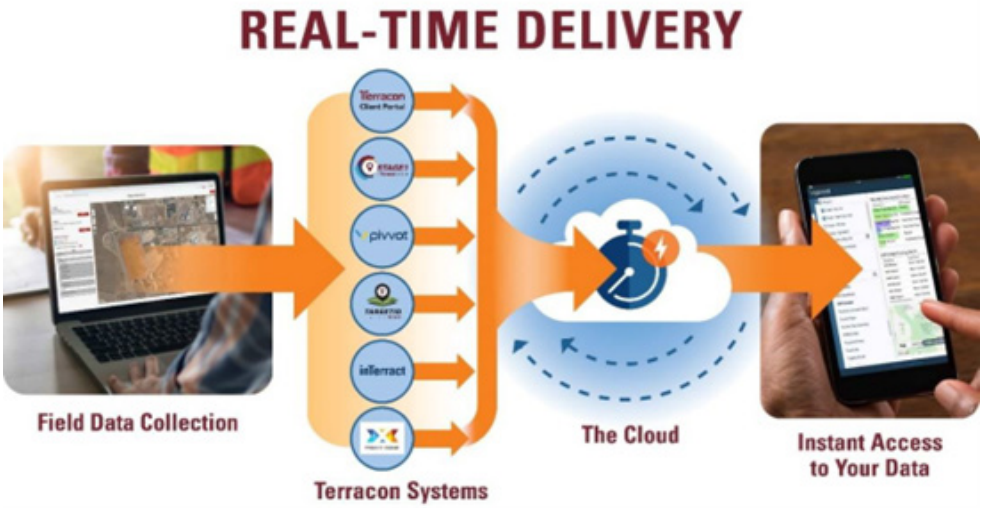
MRG's proven methodology ensures:

- Seamless coordination with the City of Pompano Beach at all project stages
- Garner high participation and meaningful input from the community

- Strong partnerships with CRA boards, local leaders, and media
- Clear, consistent, and transparent communication at all project stages
- Smooth project execution with minimized delays and disruptions

Through this comprehensive, city-focused approach, MRG delivers public involvement services that not only inform the Pompano Beach community, building support and long-term trust for City of Pompano Beach and CRA projects.Real-Time Delivery

REAL - TIME DELIVERY



Having the ability to know what is happening on your project site in real-time means you and your project team are always well-informed. Portals and platforms display information on a visually intuitive and interactive dashboard, allowing project stakeholders to view data almost instantaneously. This insight into the project throughout each day makes it easier than ever to resolve issues on the spot instead of waiting for the report to be delivered at the end of the project or after the field team has left the site. With data at your fingertips, real-time delivery gives you access to information from anywhere to make decisions faster, ultimately saving you time and money.

Real-time delivery keeps your data alive. We can send and receive data through mobile devices and sensors embedded in everyday objects. These platforms take information from what used to be a verbal conversation, and a field report sent days after the data was collected to immediate access to crucial information, including test status, progress, and outcomes from anywhere and at any time.

We have worked to seamlessly integrate real-time delivery into our systems and platforms to help streamline your projects. When information is integrated into a Terracon internal system, the information populates throughout each system and maximizes the power and accessibility of your data for brilliant, timely decision-making. We customize your client portal based on priorities, risk management needs, and project scope. Before your portal is activated, we assemble a client kick-off meeting to engage with your team and conduct training on how they can use the portal to access and filter data, retrieve or share reports and other information, and collaborate with our team in real time. We provide access to whoever can retrieve the data in the different formats needed.

Real-time delivery also enhances project quality control and efficiency. Our innovative and proprietary tools allow you to see if an area is or is not ready for construction and expose any outstanding deviations. Real-time delivery uses data to help decrease the number of design changes needed and enable more of a collaborative decision-making approach. Hence, you make informed decisions earlier in the site development process, which leads to significant savings over the project's lifespan.

Project Management Plan

For each assignment, HBC's Project Manager will prepare a Project Management Plan (PMP) that acts as the main reference guide for the City and all participating subconsultants. The PMP creates a clear framework for execution and accountability by outlining the project's goals and key success factors, task breakdown structure and schedule, team roles and responsibilities, quality control procedures, communication protocols, and contingency/risk management strategies. By defining these elements early on, HBC ensures alignment among all stakeholders and provides a structured approach to deliver projects on time, within budget, and in line with the City's expectations.

Project Kick-Off

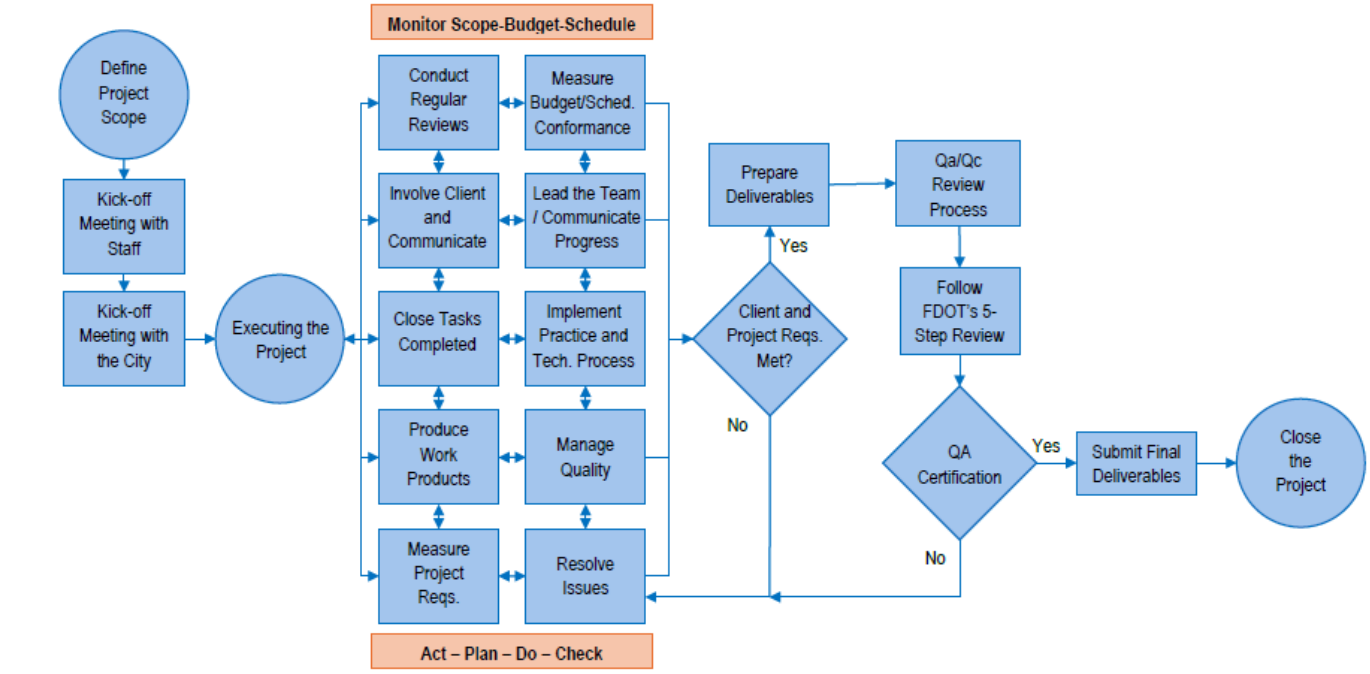
Once the Scope of Services, schedule, budget, and Project Management Plan (PMP) are finalized, HBC will hold a formal kick-off meeting with the City to confirm alignment on goals, deliverables, and expectations. After this session, the Project Manager will lead an internal kickoff meeting with all assigned project staff to review responsibilities, budgets, schedules, deliverable deadlines, technical review milestones, communication protocols, and QA/QC requirements.

To support these efforts, HBC uses BQE CORE, which offers real-time dashboards for tracking budgets, assigning tasks, and monitoring milestones. The platform enables both the team and the City's staff to see current progress metrics, ensuring full transparency and accountability from the beginning.

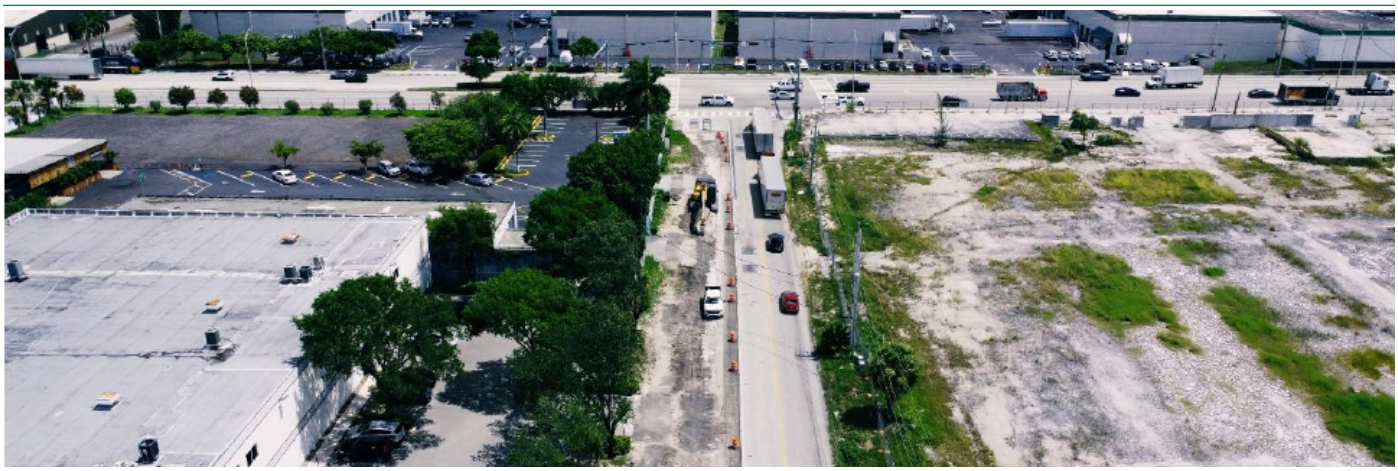
Along with the kick-off process, HBC adds weekly project review meetings to its management system. Held at a consistent time each week, these meetings offer a structured way to discuss project progress, upcoming deadlines, technical and administrative issues, and resource management. By combining this regular review with BQE CORE's reporting and analytics, HBC makes sure projects stay on track and within budget while keeping clear, continuous communication with the City.

Project Progress: HBC will set specific milestones within the project scope and schedule where the City's review and input are requested. These milestones will usually occur at 30%, 60%, 90%, and 100% completion, or at other intervals adjusted to the project's complexity and the City's preferences. At each stage, HBC will deliver clear work products and supporting documents for review, ensuring the City stays engaged in decision-making and that project deliverables meet expectations.

Project Managment Plan

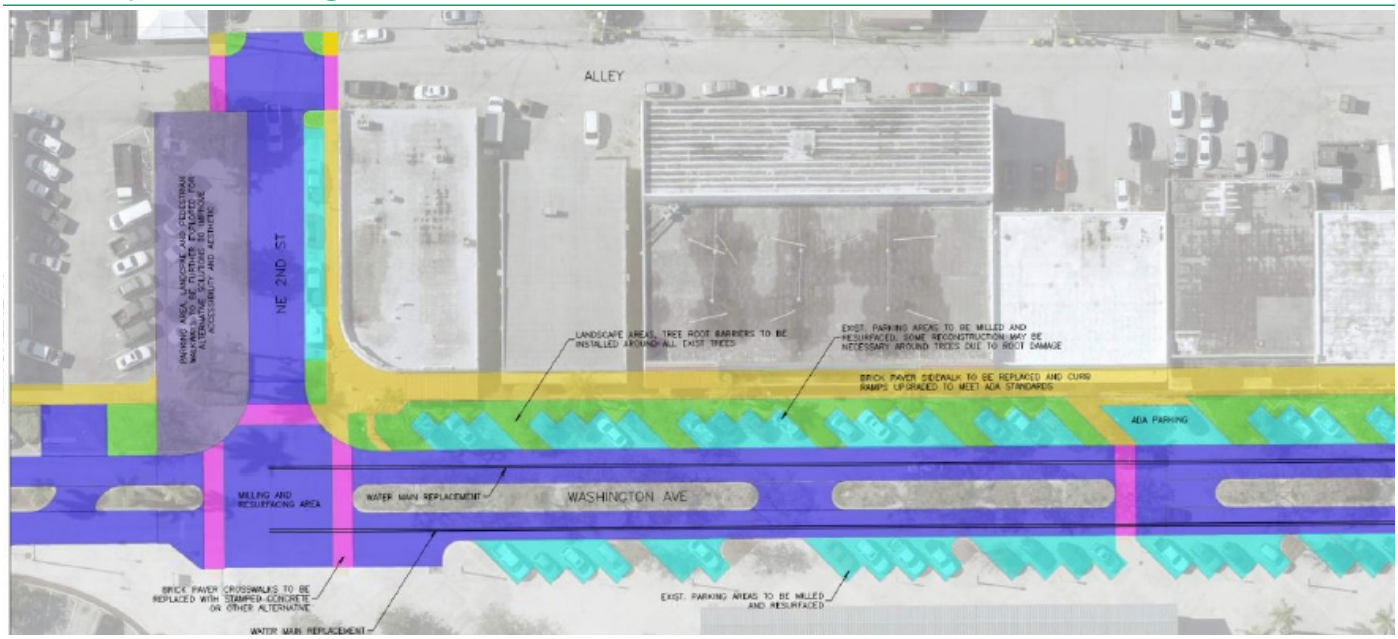


Studies and Evaluations



If requested by the City, HBC will perform preliminary engineering, studies, and evaluations to support project development. During this phase, HBC will coordinate and hold pre-application meetings with permitting agencies to define requirements and identify agency-specific concerns early in the process. Our team has extensive experience working with regulatory agencies at the local, state, and federal levels, including the MDC Department of Regulatory and Economic Resources (RER), Florida Department of Environmental Protection (FDEP), the South Florida Water Management District (SFWMD), U.S. Army Corps of Engineers (USACE), the Florida Department of Transportation (FDOT), and other permitting authorities. This familiarity with agency protocols and expectations allows HBC to anticipate permitting challenges, streamline approvals, and minimize potential delays, ensuring the project progresses smoothly into final design and implementation.

Conceptual Design Phase



During the conceptual design phase, HBC will conduct comprehensive data collection, model development and calibration, forecasting, scenario analysis, evaluation of design alternatives, and preparation of cost estimates. Our team utilizes advanced engineering tools, including Autodesk Civil 3D, GIS platforms, ICPR software for hydrologic and hydraulic modeling, and traffic simulation tools, to analyze conditions and develop accurate, context-sensitive solutions.

Coordination meetings will be held with the City's staff and local regulatory agencies to confirm the preferred design approach and establish applicable regulatory constraints. At the end of this phase, HBC will prepare a Conceptual Plan or Preliminary Engineering Report that documents the evaluated alternatives, the criteria used in decision-making, and the justification for the chosen approach. This report will guide subsequent design activities, serve as a technical reference for stakeholders, and provide the necessary documentation for permitting.

60% Design Completion Level

Following the completion of the conceptual design phase, HBC will progress the design to the 60% completion stage. During this phase, any remaining survey and fieldwork will be finalized to verify existing conditions and support detailed design development. The HBC team will conduct site visits and coordinate directly with the City Engineering staff and facility operators when applicable to address project-specific considerations. At this stage, drawings and technical specifications will be developed to specify all major components of the project. The 60% milestone submittal package to the City will include design drawings, specifications, updated cost estimates, and any necessary land acquisition documents. A phase review meeting will be held with the City to present the submittal, gather feedback, and ensure all review comments are incorporated into the next design phase.

90% and 100% Design Completion Levels

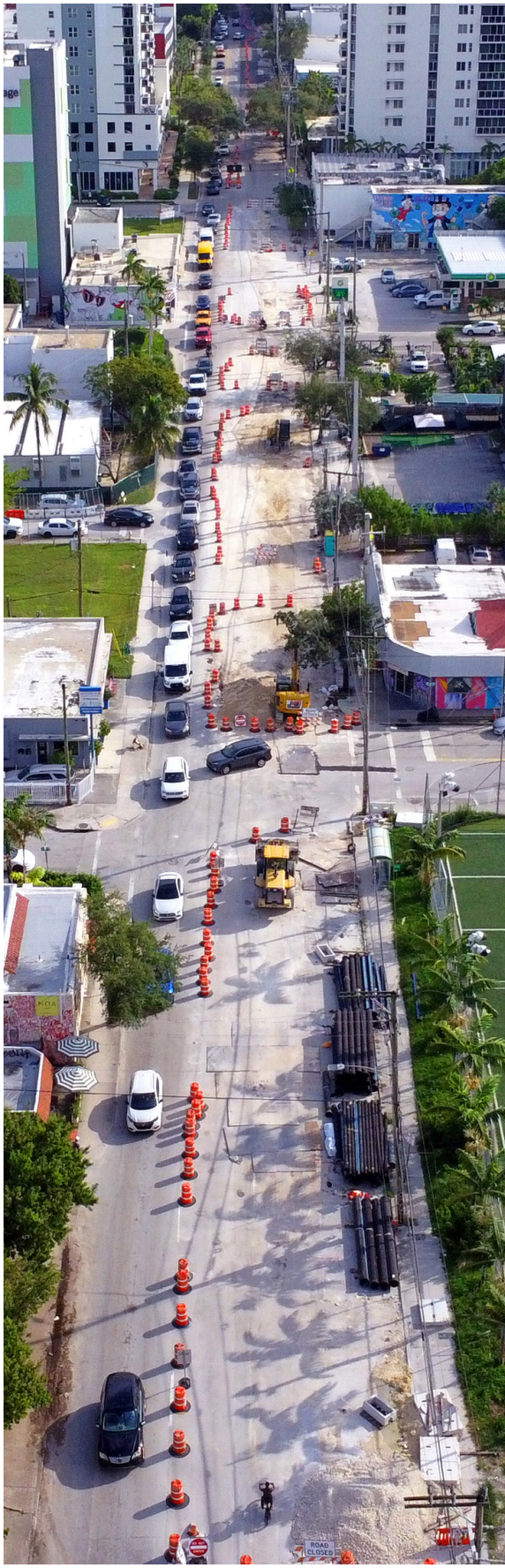
During the 90% and 100% design phases, HBC will incorporate all City review comments and finalize the documents for bidding purposes. Between the 60% and 90% submittals, permit application packages will be prepared and submitted to the appropriate regulatory agencies, and Subsurface utility exploration will be requested. The scheduling of these submittals will be carefully coordinated to allow sufficient time for agency review and the integration of comments into the design before bid advertisement. By advancing the design in this structured manner, HBC ensures that final plans and specifications are fully compliant, biddable, and responsive to both City requirements and permitting agency expectations.

Right-of-Way Acquisition

Acquisitions can begin after approval of the BDR. Provisions for access to property near the end of bridges and adjustments to avoid costly Right of Way takings shall be resolved. We will provide the necessary Exhibits for the City to acquire Right-of-Way (Margin) and/or Temporary Construction Easements (TCE).

Final Permits, Plans, Specifications, & Estimates (PS&E)

Finally, all permits and approvals will be presented to the City after they have been secured. If the need presents itself during the process, any privately owned utility requiring construction and/or relocation will be identified, and its construction will be coordinated. Our utility coordination and the right-of-way negotiations should proceed in tandem. Our CEI team will be on hand to guide the utility relocation and keep the various utility companies in compliance with the permit.



Bid and Award Phase

After incorporating all final review comments, HBC will submit the complete bid documents electronically for review by the City. Once Contracts Management comments are addressed, the final bid package will be submitted to the City for advertisement. Bid documents will typically include signed and sealed drawings, technical specifications, reproducible sets, and electronic files, along with a Special Provisions section to identify modifications to the City's standard specifications. During the advertisement period, HBC will assist with the pre-bid meeting, attend project site visits, respond to bidder inquiries, and prepare addenda for issuance by the City. After receiving bids, HBC will develop and review a bid tabulation, verify contractor references, and provide the City with a clear and well-documented recommendation for award. HBC is willing to provide post design services if requested. Our team will administer the bidding process. HBC personnel are experienced in assisting municipalities with the bid and award process and will assist the City with an advertisement responding to written addendums, bid opening, bid tabulation, and bid award recommendation. We will attend all pre-construction meetings as well as those regularly scheduled meetings throughout the construction phase, perform site visits when deemed necessary by the DEPARTMENT. We respond to all requests from the contractor within 48 hours. Responses include Requests for Information (RFI), interpretation of construction plans and documents, and engineering solutions to changed conditions encountered in the field leading to plan updates and changes to begin the communication process.

Construction Phase

If the City requests, HBC will provide construction management and full-time construction observation services to assist with project delivery. These services encompass the entire range of construction management activities, starting with pre-construction meetings, submittal review, and schedule analysis, and continuing through field observation, progress documentation, and coordination with contractors. Upon project completion, HBC will prepare Record Drawings and submit the final certification to the permitting agencies. This comprehensive approach ensures the project aligns with the approved design, adheres to regulatory standards, and meets the City's expectations for quality and performance.

Compliance with LAP Project-Specific Documentation Requirements



HBC has extensive experience managing federally funded projects under the Florida Department of Transportation's Local Agency Program (LAP), and we fully understand the critical role that documentation plays in maintaining eligibility, ensuring audit readiness, and securing timely reimbursements. Our project management and quality control systems are designed to deliver complete, compliant, and timely documentation at every project phase in accordance with the FDOT LAP Manual (LPM). We acknowledge that the City of Pompano Beach is certified under the FDOT LAP program and that some services required under the continuing services contracts may involve grant-funded projects. HBC is well-versed in the strict documentation, procedures, and standards outlined in the LPM, which are vital for grant compliance, eligibility, and reimbursement.

HBC will ensure that all required documentation is submitted and maintained in accordance with Chapter 6 of the LAP Manual for each LAP-funded project. This includes, but is not limited to, a fully executed LAP Agreement, scope, schedule, budget estimate, signed and sealed plans, certified environmental documents, utility and right-of-way certifications, and the complete PS&E package. We will support the City throughout the procurement process by ensuring that all bid advertisements, evaluations, and contract award packages comply with federal and state transparency and fairness standards, including DBE compliance and Buy America certifications.

During construction, our team maintains rigorous documentation protocols to support progress tracking and cost eligibility. This includes daily inspection reports, certified payrolls, materials certifications, change order logs, and DBE utilization tracking. All invoicing is supported with FDOT-compliant backup, formatted using approved templates and tied directly to deliverables and milestones. We upload all key documents into FDOT's Grant Application Process (GAP) system in a manner consistent with FDOT's folder structure and naming conventions to ensure accessibility and audit readiness.

At project closeout, we submit as-built drawings, a Certificate of Final Inspection, final DBE reports, and release of liens, along with a complete final invoice and performance certification. We maintain all records for a minimum of five years post-completion and are prepared to support Single Audit Act requirements and FDOT compliance reviews.

HBC's longstanding LAP experience, internal QA/QC protocols, and deep familiarity with federal funding procedures ensure that all documentation will be comprehensive, accurate, and submitted in alignment with the LAP Manual. This results in risk mitigation for the City and enables the timely disbursement of grant funds across all project phases.

PROJECT MANAGEMENT AND QUALITY CONTROL

The Project Manager, Sreelatha Nandivada, MS, PE, will work with the Department (DSDE) as needed in establishing a schedule and developing a detailed schedule for the project to include milestones and interim deliverables. She will schedule weekly progress meetings to facilitate good communication among the team and verify progress. Any issues affecting design, schedule, or budget will be dealt with proactively and brought to the Department's attention immediately. The team will coordinate with DSDO to establish design criteria based on environmental, ROW, bridge, roadway, traffic, and utility consideration for the project. Public and stakeholder input and familiarity with FDOT procedures, policies, design preferences, and requirements (as outlined within), will guide the environmental evaluation, permitting requirements, project design, and development of preliminary ROW and construction plans and specifications.



Following the input received at the Task Kickoff Meeting, our team will work together to develop internal Quality Assurance Plan (QAP) specific to this task order. The QAP and checklists will be designed to ensure that all of the deliverables will conform to accepted design practices and comply with FDOT, AASHTO, and other industry-accepted standards. This QAP will outline the procedures and responsibilities of each person for each step of this independent design review. These steps will include the Quality Control Review of the Plans, the High-Level Review of the Plans and Bid Documents, and Design Quality Review of the Superstructure and Substructure Design. It will establish the format for which Design Scoping Reports, field reports and meeting minutes will be developed and submitted. The QAP will also outline the procedures for filing Design Scoping Reports and Contract Modifications.

Based on the bridge analysis the general attributes are determined for the bridges. The specific attributes of the bridge will be defined in our BDR. A location Hydraulics Report will be prepared in conjunction with the bridge analysis. Conceptual drawings will be developed suitable to the uniqueness of the site.

Prior to BDR we will coordinate with city on Environmental and site considerations, wildlife connectivity, endangered species information, Vertical and horizontal clearances (existing and proposed), Disposition of existing structure. Vertical and horizontal geometry, Typical section, Identification of historical significance of bridge and surrounding structures. Aesthetic level for bridge and bridge approaches, Location Hydraulics Report, Bridge deck drainage considerations, Stream bottom profile, Conceptual geotechnical data.



Design, preliminary plans, right-of-way plans, and final construction plans will be prepared for City of Fort Lauderdale's selected alternative. For the selected alternate, constructability reviews will be performed for preliminary, and right-of-way plans, and any recommendations will be presented. Before beginning this work, we will participate in a scoping meeting with the City. This critical meeting will define the expectations for the development of our agreement. We would look to formalize the agreement as quickly as possible to make sure we have ample time to complete the project in accordance with any municipal funding agreements you may have in place.

Our contract administration team will continuously work with our designers to identify additional opportunities for early reduced contract time and completion through constructability reviews during the design phase.

Design Development (90%) drawings (Right-of-Way Plans) will be prepared and presented for review and comment to the City, FDOT (if required), and any regulatory agency whose approval is required for the development of the project. The final bridge design will be performed in accordance with the current AASHTO LRFD Bridge Design

Specifications using Leap Bridge Concrete for cored slab superstructure and substructure design. If a steel superstructure is explored as a preliminary or final structure type, MDX will be utilized for beam design. We will present a proposed design to City staff for concurrence before proceeding with final design and 100% plans.



Right-of-Way Acquisition

Acquisitions can begin after approval of the BDR. Provisions for access to property near the end of bridges and adjustments to avoid costly Right of Way takings shall be resolved. We will provide the necessary Exhibits for the City to acquire Right-of-Way (Margin) and/or Temporary Construction Easements (TCE).

Final Construction Plans

Once the City has approved 90% design plans, our team will prepare the final Construction Drawings. As our team prepares the final construction drawings, we will engage our construction experts to guide the project phasing to permit maximum public access with minimal impacts on the overall cost. Bid documents will also be produced including the final construction specifications, engineer's estimate, and contract times.

Final Permits, Plans, Specifications, & Estimates (PS&E)

Finally, all permits and approvals will be presented to the City after they have been secured. If the need presents itself during the process, any privately owned utility requiring construction and/or relocation will be identified, and its construction will be coordinated. Our utility coordination and the right-of-way negotiations should proceed in tandem. Our CEI team will be on hand to guide the utility relocation and keep the various utility companies in compliance with the permit.



Bidding Process & Post Design Services

HBC is willing to provide post design services if requested. Our team will administer the bidding process. HBC personnel are experienced in assisting municipalities with the bid and award process and will assist the City with an advertisement responding to written addendums, bid opening, bid tabulation, and bid award recommendation. We will attend all pre-construction meetings as well as those regularly scheduled meetings throughout the construction phase, perform site visits when deemed necessary by the DEPARTMENT. We respond to all requests from the contractor within 48 hours. Responses include Requests for Information (RFI), interpretation of construction plans and documents, and engineering solutions to changed conditions encountered in the field leading to plan updates and changes to begin the communication process.

Scheduling Methodology

Our approach to schedule management aligns with the City's goals for efficient and timely delivery of structural engineering services under

individual Task Work Orders (TWOs). A centralized master schedule tracking all milestone dates and progress updates will be maintained and reviewed bi-weekly during internal production meetings. These updates will be shared with the City's Project Manager (PM) through regular status reports to ensure transparency.

During the initial schedule discovery phase, we ensure only applicable activities are included, eliminating unnecessary tasks and identifying opportunities to accelerate select TWOs. Where applicable, we bypass preliminary phases without compromising quality, while initiating critical tasks early to maintain momentum. Submittal phases will be scheduled with adequate intervals—typically three months—to allow time for thorough QA/QC reviews.

In cases of delay, a schedule recovery plan will be implemented to regain lost time. Our Project Manager, supported by experienced Task Managers, will coordinate closely with the City's internal departments and design teams to maintain positive float and meet all milestone deadlines. Weekly updates and closure of completed activities will ensure each project's progress is accurately reflected in monthly reports. This disciplined approach ensures timely execution across all project phases in compliance with City standards.



The following general approach will be followed for all TWO's related to plan development:

1. Meet with the City's Project Manager to define the scope, objectives, and deliverables of each Task Work Order (TWO).
2. Review the TWO schedule to confirm feasibility within the contract term and adjust based on anticipated timelines and resource availability.
3. Conduct a risk assessment and assign a qualified team with the appropriate technical expertise based on the project scope and complexity.
4. Collect and review all existing documentation, including As-Builts, ROW maps, surveys, maintenance records, permits, GIS data, and prior studies.
5. Perform a joint field review with City staff to validate site conditions, clarify project objectives, and identify opportunities to reduce risk, simplify execution, and control costs.
6. Refine the scope of services and submit staff hour estimates for City review and approval.
7. Finalize and execute the TWO; receive official Notice to Proceed (NTP).

8. Revalidate and update the project schedule upon NTP issuance.
9. Submit a project-specific Quality Control (QC) Plan within 10 days of NTP.
10. Initiate utility coordination activities early to avoid schedule impacts.
11. Develop preliminary design documents (e.g., Basis of Design Report, typical sections, pavement design).
12. Prepare and submit permit applications, as required.
13. Coordinate with internal City departments, stakeholders, and agencies throughout the project.
14. Prepare and deliver construction documents and phase submittals per City standards.
15. Identify and execute any required Maintenance Memoranda of Agreement (MMOA) or Local Funding Agreements (LFA).
16. Secure necessary clearances from City departments and external regulatory agencies.
17. Conduct public involvement activities as needed, including meeting facilitation and stakeholder coordination.
18. Coordinate and secure license agreements, easements, and maintenance maps.
19. Prepare the specifications package, Technical Special Provisions (TSPs), and final cost estimates.
20. Keep the City's Project Manager informed via monthly progress reports, meetings, and regular updates detailing schedule, progress, and budget status.
21. Reconcile and return any unused funds to the master contract after project letting; issue new TWO for post-design services if required.
22. Provide construction support including responses to RFIs, shop drawing reviews, and revisions to plans as needed.
23. After final acceptance, reconcile any unused post-design funds back into the master agreement.

For non-standard TWOs, our CM will immediately assemble the needed staff and information to address the Village needs. Our commitment to you is that we are readily available to work on this contract from day one with no learning curve and will be available to meet for on-site meetings within 24-hour notice.

Quality Control

Considering the entire project team's needs and capabilities, Open Roads Designer, will be used to develop the model also for conducting BIM Reviews. In our reviews we make sure that our plans maintain Conformance



to CADD standards, Completeness to project scoped expectations Consistency in the accurate relativeness with the interdisciplinary information and standards.

HBC's Quality Assurance and Quality Control (QA/QC) process is built on proactive strategies that identify and mitigate project-specific risks at the earliest stages of the design process. Our approach prioritizes protecting existing critical infrastructure while addressing key risk factors, including maintaining traffic operations, coordinating with utilities, meeting environmental permitting requirements, securing approvals from state and local agencies, and accommodating structural constraints.

Drawing from lessons learned on comparable projects, HBC delivers designs that are safe, cost-effective, and schedule-efficient. Our Quality Management Plan (QMP) establishes clear procedures to ensure consistency and accountability across all deliverables. Each review follows a structured five-step process, carried out by qualified staff members who possess the relevant technical expertise but are independent of the design effort. This independence guarantees objective oversight and reinforces the integrity of our QA/QC program.

5 Steps QC Review Process	
Step	**Description**
1	**Origination Self-Check:** The discipline lead conducts a self-review of their design or technical document to verify conformance with applicable standards and design criteria.
2	**Peer Review (QC):** An independent reviewer, typically a qualified engineer not involved in the original development, performs a comprehensive peer review.
3	**Comment Resolution:** The task lead or designated document manager resolves reviewer comments.
4	**Changes Made Verified:** A senior quality representative or project lead verifies that all identified corrections have been implemented.
5	**QA Certification for Release:** The QA Manager or designated PM signs off that the document has passed all QC checks and is fully compliant with City requirements.
5A	**Delivery to the City:** The certified document is packaged and delivered to the City.

HBC has established a rigorous QA/QC program that ensures accuracy, compliance, and constructability at every stage of project delivery. Our reviews are carried out by senior staff and Technical Advisors with relevant expertise who are not directly involved in the design, ensuring objective oversight.

Key aspects of our QA/QC Plan include:

- **Conceptual Review:** Conducted by the assigned Technical Committee to leverage senior staff expertise and local knowledge of the City to confirm the best approach to meet project goals.
- **Preliminary Review:** Verification of schedules, budgets, calculations, interdisciplinary coordination, and regulatory compliance.
- **Technical Review:** Continuous checks of data, calculations, specifications, and drawings throughout design development and before milestone submittals to validate assumptions and design methodologies.
- **Permitting Review:** Ensuring that all regulatory requirements and permit conditions are fully addressed in all documents.
- **Constructability Review:** Evaluation by our CEI Construction Management staff familiar with construction practices to identify potential conflicts and minimize risks during construction.

- **Standards Review:** Performed by the Production Manager to verify that AutoCAD and City standards are consistently applied in survey and design development.
- **Final Review:** A thorough review of all deliverables by the Task Manager, Principal-in-Charge, and the Quality Control Officer, all of whom are Florida Registered Professional Engineers and/or Surveyors.
- **Documentation of Reviews:** Each review is documented in a project-specific quality control checklist, dated, and signed by the responsible Task Manager, ensuring traceability and accountability.

Edgar Diaz, MS, PE, PSM, will serve as HBC's Quality Assurance Manager. Mr. Diaz brings over 36 years of multidisciplinary experience and will lead a strong QA/QC team. Supporting him is Sonny Abbia, PE, as QA/QC Lead, with Constructability Reviews conducted by Christopher Soto, PE. The HBC Team's Quality Control Plan (QCP) will be submitted within ten (10) calendar days of contract execution, in line with FDOT expectations. The QCP clearly outlines the roles and responsibilities of all personnel involved in producing and reviewing engineering deliverables, including plans, calculations, reports, and studies. All deliverables are reviewed through Bluebeam Studio Session using HBC's proprietary QC toolbox, enabling real-time collaboration, consistency, and documentation of comments and resolutions.

TECHNOLOGICAL CAPABILITIES



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.

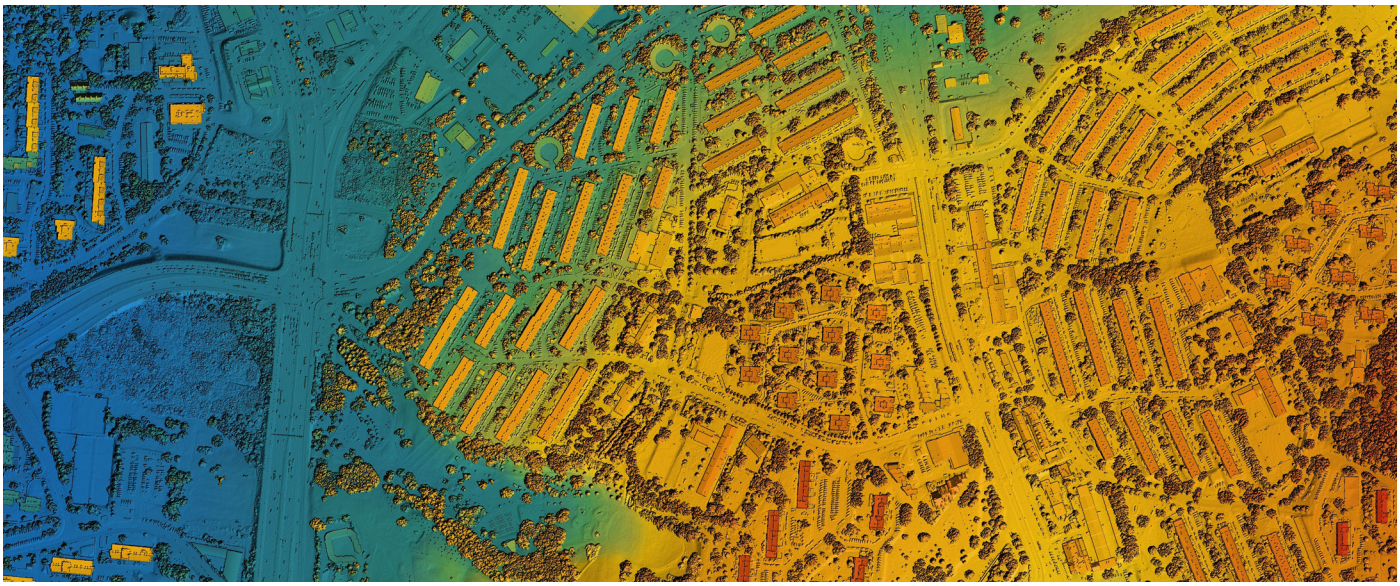
Geospatial & Surveying Technology: To further enhance our precision, we employ advanced geospatial tools such as GIS and GPS for projects requiring surveying or subsurface utility engineering. These technologies provide accurate and reliable data critical for making informed decisions about design and 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.

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.





REFERENCES

REFERENCES

HBC Engineering Company would be honored to have the opportunity to support the City of Pompano Beach on future projects. We are excited to apply our multidisciplinary expertise, local knowledge, and commitment to responsive service to advance the City's infrastructure goals. We look forward to collaborating closely with City staff to deliver high quality, reliable, and timely engineering solutions.

Water Treatment Plant No. 2 Expansion



Location

West Palm Beach, FL

Contact Person

Lance Littrell PE, (407) 552-4369, lance.littrell@kimley-horn.com

Project Completion

Ongoing | **On track to being completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $134K
Actual Construction Cost: N/A

HBC supported Palm Beach County Water Utilities Department on the expansion of Water Treatment Plant No. 2 to increase capacity, address emerging contaminants, and improve system reliability. Services included hydraulic modeling, electrical engineering for process upgrades, permitting support, and field investigations. Working closely with the prime consultant and County stakeholders, HBC delivered responsive, technically sound solutions supporting long-term system resilience.

60-Year Recertification of 58th Street Building No. 4



Location

Miami, FL

Contact Person

Marcela Villegas, (786) 747-1692, Marcela.Villegas@miamidade gov

Project Completion

Ongoing | **On track to being completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $30K
Actual Construction Cost: N/A

HBC is providing professional engineering services for Miami-Dade County Solid Waste Management's 60-Year Recertification of Building No. 4 at 8795 NW 58th Street. Services include structural and electrical inspections, signed and sealed reports, and required certifications in compliance with RER requirements. The scope includes assessments, documentation, deficiency identification, repair recommendations, and re-inspections to achieve final approval and ensure public safety.

Hollywood Seminole Indian Reservation Pedestrian Bridge



Location

Hollywood, FL

Contact Person

Jose Omar Nunez, (954) 894-1060, josenunez@semtribe.com

Project Completion

Ongoing | **On track to being completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $3.5M
Actual Construction Cost: N/A

HBC Engineering Company is providing comprehensive structural and civil engineering services for a new pedestrian bridge connecting key areas within the Hollywood Seminole Indian Reservation across SR 7, enhancing pedestrian safety and mobility. The scope includes structural analysis and schematic development of three bridge concepts, along with field investigations such as topographic and boundary surveys, utility locates, and geotechnical investigations. HBC is preparing 30 percent, 90 percent, and 100 percent construction documents and developing a complete roadway set of plans incorporating typical sections, cross sections, and signing and pavement marking plans. The team is coordinating with STOFI, FDOT, FHWA, and other regulatory agencies, preparing technical specifications, permit applications, and stormwater design. Additional services include bid phase support, optional 3D renderings, drone flyovers, and virtual presentations, ensuring compliance with all tribal, state, and federal requirements.

SR-817/University Dr from Nova Dr to SR-84 Bus Stop Bay



Location

Davie, FL

Contact Person

Lance Jones, PE, (954) 777-4680

Project Completion

Ongoing | **On track to being completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $1.8M
Actual Construction Cost: N/A

HBC is providing professional engineering services to redesign the bus stop bay at the northeast corner of Nova Drive and SR 817 University Drive. The project focuses on enhancing passenger access, safety, and operational efficiency while preserving traffic flow along this high volume corridor. Services include evaluating existing geometric conditions, coordinating with transit and roadway stakeholders, and developing targeted improvements to the bus stop bay. The redesign supports safer boarding and alighting, improved bus maneuverability, and reduced conflicts with adjacent traffic. Design considerations address accessibility, pedestrian connectivity, and compatibility with existing roadway features to improve transit reliability and minimize traffic impacts.

Riverwalk North Seawall Replacement Project



Location

Fort Lauderdale, FL

Contact Person

Ana Ziegler, EE/PM II, (954) 828-5817, aziegler@fortlauderdale. gov

Project Completion

Ongoing | **On track to being completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $1.2M
Actual Construction Cost: N/A

HBC is providing professional engineering services for the replacement of the Riverwalk North seawall, extending from the Andrews Avenue Bridge approximately five hundred feet west toward the FXE rail corridor. The project includes the design of a new sheet pile seawall installed in front of the existing concrete seawall along the river frontage, as well as demolition of the existing concrete catwalk. HBC's scope encompasses the design and installation of fixed docks, floating docks, and associated waterfront amenities, relocation and replacement of utilities and utility stations, and replacement of electrical shore tie pedestals. Services also include inspection of deteriorated structural elements, data collection and evaluation of existing conditions, and development of repair designs and specifications. Post design services include participation in pre construction meetings and review of shop drawings, product data, and submittals to verify compliance with project requirements.

CCTV Southern Turnpike Upgrades



Location

Miami, FL

Contact Person

Bing Wang, PE, (954) 777-4419

Project Completion

Ongoing | **On track to being completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $1.3M
Actual Construction Cost: N/A

HBC Engineering Company is supporting Florida's Turnpike Enterprise with the design and preparation of contract documents for the Southern Turnpike CCTV Upgrades project. This systemwide initiative improves operational visibility by installing 31 new CCTV cameras along SR 91 and SR 821, including major service plazas such as Snapper Creek, Pompano, West Palm Beach, Fort Pierce, and Fort Drum. The enhanced ITS infrastructure will support real time monitoring, improved incident response, and future data collection. As design consultant, HBC is preparing construction ready plans and specifications in accordance with FDOT systems engineering and Rule 940 ITS requirements. Services include ITS design, roadway analysis, surveying, geotechnical investigations, SUE, drainage analysis, utility coordination, environmental documentation, and QA QC. The system will integrate with FDOT's SunGuide software and operate from the Pompano Beach and Turkey Lake TMCs.

Atlantice Boulevard Over East Outfall



Location

Coral Springs, Fl

Contact Person

Anh Ton, (954) 357-6059

Project Completion

Ongoing | **On track to being completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $2.6M
Actual Construction Cost: $2.6M

The project involved major rehabilitation of Broward County-owned twin bridges on Atlantic Boulevard over the East Outfall Canal in the City of Coral Springs, between Ramblewood Drive and Rock Island Road. These bridges serve a critical regional transportation corridor and required significant repairs based on deficiencies identified in the most recent FDOT bridge inspection report. The scope included comprehensive substructure and superstructure rehabilitation, replacement of deteriorated structural components, and reinforcement of critical load-bearing elements. Additional improvements consisted of concrete restoration, application of protective coatings to mitigate corrosion, and installation of new expansion joints to accommodate structural movement. Bridge deck resurfacing and waterproofing were also completed to extend service life, enhance safety, and improve ride quality, all in compliance with FDOT standards.

Airfield Development Program, Fort Lauderdale International Airport



Location

Hollywood, FL

Contact Person

Philip Partenheimer, (865) 483-9005

Project Completion

2007-2008 | **Completed On Time & On Budget**

Total Cost of Construction: Estimated & Actual

Estimated Construction Cost: $10.6M
Actual Construction Cost: $10.5M

HBC Engineering Company provided comprehensive design and construction support services for the Airfield Development Program at Fort Lauderdale Hollywood International Airport. The work focused on preparing airside drainage construction documents in compliance with applicable regulatory and project requirements. Design services included plans for large rectangular drainage structures and 66 inch concrete pipes connecting Ponds AM and E following the elimination of Taxiway E 3. HBC revised the Pond T grading plan to accommodate removal of the VASI system and installation of new PAPI and Runway Distance Remaining devices. Additional drainage areas were transferred to the Runway Overlay Project. HBC prepared the Environmental Resource Permit and provided construction phase services including shop drawing reviews, RFI responses, ERP modifications, schedule reporting, as built plan reviews, and regulatory compliance oversight.



PROJECT TEAM FORM

PROJECT TEAM FORM

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RLI IN THE EBID SYSTEM.

PROJECT TEAM

RLI NUMBER 26-006

Federal I.D.# 22-3936061

*Information provided in the **Attachment A**.*

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge			
Project Manager			
Asst. Project Manager			
Other Key Member			
Other Key Member			

SUB-CONSULTANT

*Information provided in the **Attachment A**.*

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying		
Landscaping		
Engineering		
Other Key Member		
Other Key Member		
Other Key Member		
Other Key Member		

(use attachments if necessary)

ATTACHMENT A

PRIME- HBC Engineering Company

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Adebayo Coker, PE	33	B.S. in Civil Engineering
Project Manager	Sreelatha Nandivada, MS, PE	22	M.S. in Civil Engineering
Other Key Member	Hernan Lugo, MS, PE, CFM	27	M.S. in Environmental Engineering
Other Key Member	Jose A. Lopez, PE	20	B.S. in Civil Engineering
Other Key Member	Sonny Abia, PhD, P	35	PhD in Civil Engineering
Other Key Member	Edgar Diaz, MS, PE, PSM	38	M.S. in Civil Engineering
Other Key Member	Teodoro Tefel, PE	38	B.S. in Civil Engineering
Other Key Member	Joseph Williams	38	B.S. in Construction Management
Other Key Member	Eugene Hunter, IMSA I	35	HS Miramar
Other Key Member	Christopher Soto, PE, RSO	13	B.S. in Civil Engineering
Other Key Member	Claudia Rodriguez, PE, IMSA I	9	Electrical Engineering CUJAE
Other Key Member	Gonzalo Barrera, PE	7	B.S. in Civil Engineering
Other Key Member	Claudia Bustamante, MS, PE	21	M.S. in Civil Engineering
Other Key Member	Moatz Saad, PhD, PE, PTOE	13	PhD in Civil Engineering
Other Key Member	Orlando Penate, PE, IMSA III	19	B.S. in Electrical Engineering
Other Key Member	Fernando Craveiro de Sa, PhD, EI	47	PhD in Civil Engineering Environmental

Sub-Consultant

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to this Project
Surveying	Keith and Associates, Inc. (KTH)	Bryan Merritt, PSM
Landscaping	Keith and Associates, Inc. (KTH)	Kelli Schueler, PLA, LEED AP
Other Key Member	Moffatt & Nichol, Inc. (M&N)	Lawrence DeRose, PE
Other Key Member	Moffatt & Nichol, Inc. (M&N)	Tom Fucigna
Other Key Member	Moffatt & Nichol, Inc. (M&N)	Tim Blankenship, PE
Other Key Member	Florida Engineering & Testing, Inc. (FET)	Reza Javidan, PE
Other Key Member	Media Relations Group, LLC (MRG)	Paulette Summers



ORGANIZATIONAL CHART

Organizational Chart: RLI 26-006: Continuing Contract For Professional Structural Engineering Services - CCNA

LEGEND
HBC . . HBC Engineering Company (DBE, MBE, SBE)
M&N . . Moffatt & Nichol, Inc.
KTH . . . Keith and Associates, Inc.
FET . . . . Florida Engineering & Testing, Inc. (MBE, WMBE, CBE)
MRG . . Media Relations Group, LLC (CBE, MBE, SBE, WMBE)
yrs . . . Years of Experience
%. . . . . Availability
• . . . . . Key Personnel



Principal-In-Charge
- **Adebayo Coker, PE**
33 yrs | 80% | HBC

pompano beach
Florida's Warmest Welcome

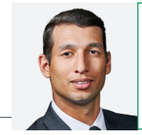
City of Pompano Beach
Project Manager



Project Manager
- **Sreelatha Nandivada, MS, PE**
22 yrs | 90% | HBC



QA/QC Manager
- **Sonny Abia, PhD, PE**
35 yrs | 80% | HBC



Constructability Reviews
- **Christopher Soto, PE, RSO**
13 yrs | 100% | HBC

PROFESSIONAL ENGINEERING SERVICES

Structural / Building Design/ Repair & Rehabilitation/ Bridge / Misc Structures
- **Sreelatha Nandivada, MS, PE**
20 yrs | 90% | HBC
Roberto Rubio, MS, PE
35 yrs | 90% | HBC
Bunrith Heng, MS, PE
31 yrs | 90% | HBC
Ludovic Binner, PE
24 yrs | 90% | M&N
Toan Nguyen, PE
13 yrs | 90% | M&N

Hydraulic Structures, Design, and Modeling
- **Hernan Lugo, MS, PE, CFM**
27 yrs | 90% | HBC
Adelbert Shaffer, PE
21 yrs | 90% | HBC
Lawrence DeRose, PE
40 yrs | 85% | M&N
Julia G, Grissett, EI
5 yrs | 90% | M&N

Drainage Engineering
- **Hernan Lugo, MS, PE, CFM**
27 yrs | 90% | HBC

Erosion Control
- **Tim Blankenship, PE**
33 yrs | 90% | M&N

Stream Mitigation Site Plan
- **Tom Fucigna**
30 yrs | 90% | M&N
Julia G, Grissett, EI
5 yrs | 90% | M&N

Wetland, Stream & Buffer Permitting
- **Tom Fucigna**
30 yrs | 90% | M&N

Environmental Engineering
- **Tim Blankenship, PE**
33 yrs | 90% | M&N
Tom Fucigna
30 yrs | 90% | M&N
Julia G, Grissett, EI
5 yrs | 90% | M&N

Landscape Architecture
- **Kelli Schueler, PLA, LEED AP**
22 yrs | 80% | KTH
Chris Phillips, PLA, ASLA
14 yrs | 90% | KTH

Pavement Analysis & Design
- **Jose A. Lopez, PE**
20 yrs | 80% | HBC
Alexander Tzenkov, EI
3 yrs | 85% | HBC

Geotechnical Engineering
- **Reza Javidan, PE**
36 yrs | 70% | FET

Permitting
- **Sonny Abia, PhD, PE**
35 yrs | 80% | HBC
Lawrence DeRose, PE
40 yrs | 85% | M&N
Tim Blankenship, PE
33 yrs | 90% | M&N

Utility Coordination
- **Sonny Abia, PhD, PE**
35 yrs | 80% | HBC
Leandro Vazquez
4 yrs | 90% | HBC

Survey, Mapping, and SUE
- **Bryan Merritt, PSM**
43 yrs | 70% | KTH
Mark Mitchell
26 yrs | 70% | KTH
Sean Halsey
27 yrs | 70% | KTH

Right of Way Services
- **Bryan Merritt, PSM**
43 yrs | 70% | KTH
Sean Halsey
27 yrs | 70% | KTH

Plans Review
- **Edgar Diaz, MS, PE, PSM**
38 yrs | 90% | HBC
Hernan Lugo, MS, PE, CFM
27 yrs | 90% | HBC
Teodoro Tefel, PE
38 yrs | 80% | HBC

Feasibility Studies
- **Edgar Diaz, MS, PE, PSM**
38 yrs | 90% | HBC

Roadway Engineering
- **Jose A. Lopez, PE**
20 yrs | 80% | HBC
Osmin Ocon, EI
3 yrs | 90% | HBC

Special Inspection Services
- **Lawrence DeRose, PE**
40 yrs | 85% | M&N
Ludovic Binner, PE
24 yrs | 90% | M&N
Toan Nguyen, PE
13 yrs | 90% | M&N

Cost Estimation/ Schedule & Project Control
- **Joseph Williams**
38 yrs | 90% | HBC
Edgar Diaz, MS, PE, PSM
38 yrs | 90% | HBC

Bidding/Bid Evaluation
- **Edgar Diaz, MS, PE, PSM**
38 yrs | 90%| HBC

CEI SERVICES

Senior Project Engineer
- **Christopher Soto, PE, RSO**
13 yrs | 100% | HBC

Construction Administration
- **Eugene Hunter, IMSA I**
35 yrs | 100% | HBC
Rodolfo Caceres, PE, IMSA I
21 yrs | 100% | HBC

Contract Support Spc/ Resident Compliance Spc
- **Claudia Rodriguez, PE, IMSA I**
9 yrs | 100% | HBC

Senior Inspectors
Scott Smith, IMSA I
28 yrs | 100% | HBC
Jeffrey Behari, IMSA I
8 yrs | 100% | HBC
Luis Membreno
17 yrs | 100% | HBC

Inspectors
Francisco Rodriguez
27 yrs | 100% | HBC
Jay McGuinness, IMSA I
10 yrs | 100% | HBC
Adrian Valdes
15 yrs | 100% | HBC
Omar Sosa
2 yrs | 100% | HBC

Materials Testing
- **Reza Javidan, PE**
36 yrs | 70% | FET

OTHER SERVICES

Maintenance of Traffic
- **Teodoro Tefel, PE**
38 yrs | 80% | HBC

Signalization Engineering
- **Gonzalo Barrera, PE**
7 yrs | 80% | HBC
Osmin Ocon, EI
3 yrs | 90% | HBC

Signing & Pavement Marking Engineering
- **Claudia Bustamante, MS, PE**
21 yrs | 80% | HBC
Ynaja Juste, EI
9 yrs | 90% | HBC

Traffic Engineering
- **Moatz Saad, PhD, PE, PTOE, IMSA II**
13 yrs | 80% | HBC
Jeremy Braithwaite, IMSA II
8 yrs | 90% | HBC
Gabriel A. Evilla Cano, MS
3 yrs | 90% | HBC

Lighting/Electrical Engineering
- **Orlando Penate, PE, IMSA III**
19 yrs | 80% | HBC
Maikel Fiallo Nunez, PE
24 yrs | 90% | HBC

Grant Writing
- **Fernando Craveiro de Sa, PhD, EI**
47 yrs | 90%| HBC

Public Involvement
- **Paulette Summers**
26 yrs | 85% | MRG
Melannie Gomez
3 yrs | 90% | HBC

HBC in association with moffatt & nichol | KEITH Engineering Inspired Design. | FLORIDA ENGINEERING & TESTING | MRG Media Relations Group, LLC



STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

KNOWLEDGE OF THE PROJECT TEAM

The HBC Team maintains a deep bench of technical professionals and Florida-licensed engineers, providing the staffing capacity, professional oversight, and availability required to support multiple concurrent CCNA task orders while maintaining quality, schedule, and compliance.

50+	19	25+
Technical Staff on the Contract	Years of relevant experience	Professionals Engineers on the Contact

KNOWLEDGE OF THE PRIME CONSULTANT

HBC Engineering Company



HBC Engineering Company (HBC) is a Florida-based, minority-owned multidisciplinary engineering consulting firm founded in 2006, specializing in planning, engineering, and construction inspection services for civil, structural, transportation, and water resources projects. With more than 80 engineers and technical professionals, HBC supports municipalities and private-sector clients throughout Miami-Dade, Broward, Palm Beach, and Orange counties, as well as Puerto Rico. The firm provides comprehensive services including transportation and transit planning, traffic engineering and operations, roadway and bridge engineering, stormwater management, environmental permitting, and Construction Engineering and Inspection (CEI), delivering solutions tailored to each client's regulatory, funding, and schedule requirements.

HBC has extensive experience working with agencies such as FDOT, Miami-Dade DTPW, Miami-Dade WASD, PortMiami, Florida's Turnpike Enterprise, GMX, Palm Beach County Water Utilities Department, and PRASA, allowing the firm to act as an effective extension of client staff.

Certified as DBE, MBE, and SBE, HBC emphasizes reliability, value engineering, and innovative problem-solving to deliver cost-effective, constructible, and timely solutions. The firm's project management approach, technical depth, and commitment to quality have resulted in consistently strong performance evaluations and long-term client relationships.

KNOWLEDGE OF THE SUBCONSULTANTS

HBC has assembled a multidisciplinary team of experienced subconsultants with a strong record supporting municipal structural engineering programs across South Florida. The team brings local presence and direct experience with the City of Pompano Beach and Broward County, ensuring responsiveness and familiarity with local codes and permitting requirements. Together, they provide expertise in structural assessments, building and bridge rehabilitation, seawalls and waterfront structures, municipal and park facilities, and construction phase services, all in compliance with CCNA. HBC's team is well suited to deliver practical, cost-effective, and resilient solutions for projects ranging from routine repairs to complex capital improvements.

Moffatt & Nichol, Inc.

Moffatt & Nichol (M&N) is a global leader in coastal engineering, resilience, and marine infrastructure, founded in 1945 and recognized for pioneering modern coastal engineering practices. With more than 1,100 staff across 59 offices worldwide, including a strong Florida presence since 1994, M&N provides multidisciplinary expertise in coastal, estuarine, and riverine systems. The firm maintains nine offices in Florida and more than 100 local professionals, including over 25 coastal and maritime engineers and scientists, allowing it to deliver locally responsive solutions supported by national and global best practices. M&N applies advanced modeling, hydraulics, sea level rise guidance, and marine cost estimating to deliver practical, constructible, and resilient waterfront and structural solutions.

M&N has designed, rehabilitated, and implemented more than 500 miles of coastal protection systems nationwide and is a trusted advisor to public agencies addressing climate resilience and waterfront infrastructure challenges. The firm specializes in seawalls, bulkheads, and nature-based coastal protection solutions, integrating innovative technologies such as 3D-printed living seawalls and habitat-enhancing components. Through deep regulatory experience and close coordination with permitting agencies, M&N supports efficient environmental approvals while delivering environmentally responsible, durable, and cost-effective coastal infrastructure solutions tailored to community needs.

Keith and Associates, Inc.

KEITH (KTH) is a Florida-based, majority woman-owned multidisciplinary consulting firm with 60 years of experience serving public-sector clients statewide. With offices across South Florida and Central Florida and a staff of more than 200 professionals, KTH has maintained long-standing continuing services contracts with the City of Pompano Beach as both a prime and subconsultant, supporting water and re-use treatment projects, professional engineering, surveying, landscape architecture, sustainability, and geospatial services.

KTH provides integrated geospatial engineering, planning, and landscape architecture services, combining survey, SUE, GIS mapping, and community-focused planning and design. Leveraging advanced technologies and deep regulatory knowledge, the firm delivers efficient, constructible, and resilient solutions that support informed decision-making from planning through construction and closeout.

Florida Engineering & testing, Inc.

Florida Engineering & Testing, Inc. (FET) is a South Florida-based geotechnical and materials testing firm founded in 1994, headquartered in Pompano Beach with additional presence serving Broward and surrounding counties. The company provides a comprehensive suite of subsurface investigation, geotechnical engineering, field and laboratory testing, and construction materials evaluation services, owning and operating its own drilling equipment to support efficient soil borings, compaction testing, concrete and pavement analysis, hydraulic conductivity tests, and foundation recommendations for public and private clients. The firm's technical

capabilities extend to dynamic cone penetration tests, moisture and soil classification, and engineered pavement design in support of roadway, utility, and infrastructure improvements.

FET has established a reputation for delivering independent, third-party testing and engineering services that ensure compliance with project specifications, local codes, and regulatory requirements. The firm's laboratory is certified to perform specialized tests under Miami-Dade County protocols, demonstrating commitment to quality assurance and data integrity. Its services support planning, design, and construction phases for transportation, building, and utility projects throughout South Florida, providing reviewers and project teams with reliable geotechnical insights that inform safe, constructible, and cost-effective solutions.

Media Relations Group, LLC

Media Relations Group, LLC (MRG), established in 1999, is a woman-owned public information firm specializing in public involvement and strategic communications for transportation and infrastructure projects. With over two decades of experience, MRG has partnered with FDOT Districts 4 and 6, Broward County, Miami-Dade County, and municipalities across South Florida to deliver tailored outreach campaigns that meet stakeholder needs and regulatory requirements. The firm's expertise includes project website development and maintenance, multilingual community engagement, branding, collateral production, social media management, media relations, and event facilitation. By combining research-based strategies with innovative communication tools, MRG ensures clear, effective, and accessible outreach for diverse communities.

MRG has supported a wide range of roadway, transit, and multimodal projects requiring ADA compliance, pedestrian and Shared-Use Path (SUP) improvements, and bridge rehabilitation. Notable efforts include the Snowden Pedestrian Bridge along the Old Cutler Trail in Palmetto Bay, where MRG led community engagement and multilingual outreach, and ongoing FDOT Districtwide Miscellaneous Construction contracts in Miami-Dade, Broward, and Monroe Counties. The firm has also provided outreach and collateral development for major bridge rehabilitation projects, including the SR-736/Davie Boulevard and SR-A1A Boca Inlet Bridges. With a proven approach that emphasizes grassroots engagement, stakeholder briefings, and continuous feedback, MRG delivers effective public involvement strategies that foster trust, transparency, and project success.

KEY STAFF QUALIFICATIONS

HBC ENGINEERING COMPANY

Adebayo Coker, PE | Principal-In-Charge



Adebayo brings **33 years** of transportation engineering experience, including 19 with HBC, with expertise spanning PD&E studies, multimodal planning, roadway design, and CEI services. He has managed major projects for FDOT, Miami-Dade County, Palm Beach County, GMX, and the City of Hollywood, leading efforts from planning and environmental reviews through design, construction, and inspection. His background includes corridor studies, traffic impact analyses, signalization, signing and pavement markings, Maintenance of Traffic (MOT), and safety assessments. Notable work includes serving as Project Manager and Engineer of Record for the **SR-7/US-441 Transit Corridor Improvements,** CEI services for **Florida's Turnpike Enterprise systemwide queue warning and wrong-way driving mitigation**, and PD&E and planning studies for **Miami-Dade's South Corridor TOD Master Plan** and the **City of Hollywood's Johnson Street Complete Streets PD&E study**. Licensed as a Professional Engineer in Florida, Adebayo is committed to delivering safe, cost-effective, and resilient transportation solutions that improve mobility and connectivity across Florida communities.

His current and ongoing workload includes continued leadership on Florida's Turnpike Enterprise systemwide safety and ITS initiatives, ongoing project management oversight for FDOT SR-7 US-441 transit corridor improvements, and active involvement in condition evaluation and reporting services for Miami-Dade County transportation facilities.

These assignments reflect sustained engagement with key public-sector clients while maintaining capacity to support additional task orders.

Sreelatha Nandivada, MS, PE | Project Manager



Sreelatha brings **22 years** of structural engineering experience, specializing in bridge design, seawalls, and transportation infrastructure projects, with proficiency in advanced modeling, load ratings, and foundation design. She has contributed to major projects for FDOT, Palm Beach County, the Seminole Tribe of Florida, and multiple state DOTs nationwide, providing expertise in steel and concrete bridges, pedestrian structures, retaining walls, and coastal defenses. Her portfolio includes serving as Senior Structural Engineer for the **Seminole Tribe's Pedestrian Bridge across SR-7/US-441 in Hollywood**, supporting FDOT bridge load rating programs in North Carolina and Alabama, and **structural coordination for the Palm Beach County WTP No. 2 expansion**. Licensed as a Professional Engineer in Florida and nine additional states, and certified in bridge safety inspection and LRFR analysis, she applies AASHTO, FHWA, ASCE, and AISC standards to ensure compliance and resilience. Sreelatha is dedicated to delivering innovative, code-compliant designs that enhance safety, durability, and long-term infrastructure performance.

Her current and ongoing workload includes active leadership on the Seminole Tribe of Florida pedestrian bridge over SR-7 US-441, ongoing structural coordination for the Palm Beach County Water Utilities Department water treatment plant expansion, and continued support of state transportation agency bridge engineering and evaluation assignments.

Sonny Abia, PhD, PE | QA/QC Manager



Sonny brings **35 years** of civil and structural engineering experience, including 6 with HBC, with expertise in utility coordination, permitting, structural design, inspections, and QA/QC for transportation and infrastructure projects. He has managed large-scale roadway, bridge, and drainage improvements for FDOT, Miami-Dade County, and municipalities across Florida, ensuring compliance with state, federal, and local requirements. His background includes Final Utility Certification packages, permitting coordination with multiple agencies, and conflict resolution for complex utility relocations. Sonny has served as Utility Coordinator and QA/QC Reviewer on major FDOT projects such as the **SR-817/University Drive Improvements, NW 84th Avenue Reconstruction, NE 2nd Avenue Reconstruction**, and **SR-7/US-441 Transit Corridor,** and has overseen 40-year building recertifications and structural integrity assessments for Miami-Dade facilities. Licensed as a Professional Engineer in Florida and holding a PhD in Civil Engineering from the University of Miami, he is committed to delivering resilient, safe, and cost-effective infrastructure solutions that enhance long-term reliability and mobility.

His current and ongoing workload includes active leadership on Miami-Dade County Parks building recertification and inspection services, ongoing utility coordination and QA QC oversight for Miami-Dade County design build corridor reconstruction projects, and continued support of FDOT roadway improvement assignments involving permitting, utility conflict resolution, and technical quality reviews.

Christopher Soto, PE, RSO | Constructability Reviewer; Sr Project Engineer



Christopher brings **13 years** of experience providing construction engineering, field oversight, and compliance inspections for roadway, bridge, and utility infrastructure across Florida and the Midwest. His background spans full lifecycle site inspection services, including field supervision, materials verification, MOT compliance, SWPPP enforcement, documentation control, and contractor coordination for municipal, county, and FDOT assignments. He has led inspection teams on complex projects involving force mains, roadway reconstruction, drainage systems, utility relocations, and stormwater facilities, ensuring adherence to standards, safety requirements, and permit conditions. His recent work includes senior inspection leadership for **FDOT District 6's MEI Contract, City of Delray Beach's CEI CSC, MDC-WASD's 16-inch force main installation, and Palm Beach County's Half Mile Road improvements,** providing field oversight,

shop drawing and RFI reviews, progress documentation, and conflict resolution. Christopher holds an active Florida PE license and maintains extensive FDOT CTQP credentials, including Asphalt Paving Levels I and II, Earthwork Levels I and II, Final Estimates Levels I and II, Concrete Field Technician, Drilled Shaft Level I, and QC Manager qualifications . With deep experience in LAP- and grant-funded projects, he supports clients with reliable, standards-driven inspection services that uphold quality, safety, and regulatory compliance on every assignment.

His current workload includes ongoing leadership under FDOT District 6's maintenance engineering and inspection program, continued CEI management support for the City of Delray Beach's continuing services contract, and active construction oversight for Miami-Dade County water and sewer infrastructure improvements.

Hernan Lugo, MS, PE, CFM | Hydraulic Structures, Design, and Modeling; Drainage Engineering



Hernan brings **27 years** of engineering experience, including 8 with HBC, specializing in drainage design, stormwater management, and permitting for transportation and water infrastructure projects. He has provided regulatory coordination and permitting support with FDOT, Miami-Dade County, Palm Beach County, the South Florida Water Management District, and the Florida Department of Environmental Protection. His portfolio includes serving as Project Manager and Engineer of Record for Palm Beach County's Boca Rio Road Widening, managing stormwater modeling and permitting for the City of Belle Glade's Basin H1 Stormwater Improvements, and leading drainage design for **FDOT's SR-7/US-441 Transit Corridor LAP Project**. Hernan also served as Civil/Site Engineer of Record for **Miami-Dade WASD's Central District Wastewater Treatment Plant Oxygen Production Facility,** ensuring compliance with FDEP requirements and effective stormwater mitigation. He has supported permitting and utility coordination on complex design-build projects including **The Underline Phase II** in Miami and **NW 25th Street Reconstruction.** As a licensed Professional Engineer in Florida and Texas, a Certified Floodplain Manager, and a Florida Certified Building Contractor, Hernan ensures that roadway, water, and wastewater projects achieve regulatory compliance, resiliency, and readiness for construction.

His current and ongoing workload includes continued leadership on FDOT District Four SR-7 US-441 Transit Corridor Improvements as Drainage Engineer, ongoing project management and Engineer of Record responsibilities for FDOT District Four SR-817 University Drive roadway improvements, and active delivery of hydrologic, hydraulic, and permitting services for the City of Belle Glade Basin H1 stormwater improvements.

Jose A. Lopez, PE | Pavement Analysis & Design; Roadway Engineering



Jose brings **20 years** of civil engineering experience, including nine with HBC, with expertise in roadway design, signalization, signing and pavement marking, storm drainage, and utility relocations. He has served as Engineer of Record for FDOT Districtwide resurfacing, safety improvements, and signalization upgrades, and has led roadway and traffic projects for Miami-Dade County, Florida's Turnpike Enterprise, and Broward County. His portfolio includes serving as EOR for the **NW 84th Avenue and NE 2nd Avenue roadway reconstructions**, roadway engineer for **FDOT District 4's SR-7/US-441 Transit Corridor Improvements**, and **safety design projects along SR-25, SR-944, and SR-933** in Miami-Dade. Jose also has extensive experience developing Temporary Traffic Control (TTC) and Maintenance of Traffic (MOT) plans, as well as drainage and pedestrian safety enhancements. Licensed as a Professional Engineer in Florida and Puerto Rico, he is proficient in ICPR V4 and FDOT Specification Package Preparation and is dedicated to delivering innovative, efficient, and safe transportation solutions.

His current workload includes active service as Signalization Engineer of Record for Miami-Dade County roadway reconstruction projects, continued support of FDOT District Six districtwide resurfacing scoping assignments, and ongoing roadway design and multimodal safety improvements for FDOT District Four's SR-7 US-441 Transit Corridor.

Edgar Diaz, MS, PE, PSM | Plans Review; Bidding/Bid Evaluation; Feasibility Studies



Edgar offers **38 years** of civil and utility infrastructure engineering experience, including 19 with HBC, with a strong background in project management, quality assurance, and construction management. He has managed and overseen major water, wastewater, and roadway projects for Miami-Dade County Water and Sewer Department (WASD), the Florida Department of Transportation (FDOT), Palm Beach County, and other municipalities, providing leadership from planning and preliminary engineering through design, permitting, construction, and CEI. His expertise includes pump station design and rehabilitation, large-diameter force mains, roadway and drainage improvements, QA/QC reviews, and regulatory compliance under programs such as the EPA Consent Decree and the Ocean Outfall Legislation. Edgar's work with Miami-Dade County includes serving as Project/Construction Manager for the installation of a **54" Force Main at Opa-Locka Executive Airport** and **multiple pump station reconstructions**, where he oversaw permitting, hydraulic analysis, construction management, and commissioning. Licensed as a Professional Engineer in Florida and Puerto Rico and as a Professional Surveyor and Mapper in Florida, he is committed to delivering cost-effective, sustainable, and compliant infrastructure solutions that support resilient water, wastewater, and transportation systems.

His current workload includes ongoing QA/QC oversight for Palm Beach County Construction Engineering and Inspection assignments, continued project controls and construction management support for Miami-Dade County Water and Sewer Department water and wastewater infrastructure programs, and senior technical review and compliance oversight for FDOT District Four Local Agency Program projects.

Joseph Williams | Cost Estimation/Schedule & Project Control



Joseph brings **38 years** of experience in cost estimating, scheduling, and project controls for large-scale public and private sector capital improvement programs. He has managed project budgets, change orders, value engineering, and design reviews for aviation, transportation, education, municipal, and federal projects, supporting developments ranging from local upgrades to multi-billion-dollar programs. His portfolio includes cost and **schedule management for the Miami International Airport Capital Improvement Program, PortMiami, the City of Miami CIP, Broward and Miami-Dade County Public Schools,** and **multiple Department of Defense and Department of Energy infrastructure initiatives**. Joseph's expertise spans Primavera scheduling, E-Builder, Procore, Timberline, On-Screen Takeoff, and FEMA's Grants Manager, providing clients with reliable oversight from planning through close-out. With a proven record in estimating, program controls, and multidisciplinary coordination, he ensures cost-effective, compliant, and efficient delivery of civil and vertical infrastructure projects.

His current workload includes active cost and schedule oversight for the City of Miami Capital Improvement Program, continued project controls and estimating support for PortMiami and Miami-Dade County infrastructure assignments, and ongoing involvement in municipal capital improvement programs providing design review, value engineering, and construction phase cost management.

Eugene Hunter, IMSA I | Construction Administration



Gene brings **35 years** of experience supporting FDOT and municipal infrastructure projects throughout Florida. Gene specializes in Construction Engineering and Inspection services for roadway and bridge projects, with extensive experience in Maintenance of Traffic, stormwater drainage, earthwork, milling and resurfacing, signing and pavement markings, signalization, lighting, and structural construction elements. His responsibilities routinely include contract administration, documentation control, pay item tracking, change orders, RFIs, field inspections, and coordination with contractors and subconsultants to ensure compliance with FDOT standards and Local Agency Program requirements. At HBC, Gene is providing construction administration and project oversight for the **Palm Beach County Seminole Boulevard Multi Use Trail and Pedestrian Lighting LAP Project**, managing daily reports, MOT and SWPPP compliance, submittals, and coordination meetings to support timely and compliant delivery. He has also supported traffic data collection and operational analysis for the G**eorge**

Bush Boulevard Bridge over the Intracoastal Waterway Replacement Project in Delray Beach. Gene holds multiple FDOT CTQP certifications, IMSA Level I credentials, Advanced MOT, and extensive inspection qualifications, enabling him to consistently support complex transportation and municipal projects with accuracy, accountability, and regulatory compliance.

His current workload includes continued service as Project Administrator and CSS for Palm Beach County's Seminole Boulevard Multi Use Trail and Pedestrian Lighting LAP Project, ongoing support for traffic data collection and safety and operations analysis associated with the George Bush Boulevard Bridge replacement in Delray Beach, and active participation in portwide traffic and parking data collection efforts supporting the Port Everglades Master Plan.

Claudia Rodriguez, PE, IMSA I | Contract Support Specialist / Resident Compliance Specialist



Claudia has **9 years** of professional experience, supporting state and federally funded transportation and infrastructure projects throughout Florida. She brings extensive expertise in Construction Engineering and Inspection, compliance monitoring, and Intelligent Transportation Systems, with direct involvement from plans review and preconstruction through construction, testing, and final acceptance. Claudia ensures adherence to FDOT standards, NEC codes, MUTCD requirements, and contract documents while managing RFIs, change orders, schedules, payment applications, and daily reporting. Her experience includes serving as CSS, Assistant Project Administrator, and Senior ITS Inspector for the **Florida's Turnpike Enterprise System-Wide Queue Warning Project on SR-91 and SR-429**, a $10.6 million program involving CCTV, dynamic message signs, microwave vehicle detection systems, fiber optic networks, and wrong-way vehicle detection systems across multiple counties. She also provides construction administration support for **Palm Beach County's Cherry Road Improvements Project**, overseeing roadway, sidewalk, pedestrian lighting, and LAP-funded improvements, including inspections, documentation, and project closeout. Claudia's strong technical foundation, regulatory knowledge, and detail-oriented approach support consistent compliance, schedule control, and successful project delivery.

Her current workload includes continued service as CSS and Senior ITS Inspector for Florida's Turnpike Enterprise systemwide queue warning installations, ongoing construction administration for Palm Beach County's Cherry Road roadway, sidewalk, and pedestrian lighting improvements, and active support of Florida's Turnpike Enterprise ITS construction and system integration assignments.

Teodoro Tefel | Maintenance of Traffic



Teodoro brings **38 years** of civil engineering experience, including 5 with HBC, with extensive expertise in roadway design, Preliminary Engineering Reports (PERs), traffic control, and project management. He has served as Support Engineer, Senior Roadway Engineer, and Engineer of Record for FDOT Districts 1, 4, and 6, as well as for Miami-Dade WASD and Palm Beach County, providing leadership in roadway, drainage, Signing and Pavement Marking (S&PM), and Maintenance of Traffic (MOT) planning. His portfolio includes serving as Engineer of Record for **FDOT District 6's Districtwide Resurfacing Scoping Reports,** Support Engineer for **SR-29 Milling and Resurfacing in Collier County,** and roadway design lead for the **Boca Rio Road widening in Palm Beach County.** Teodoro also developed MOT and TTCP plans for MDC-WASD's 16" water main and 8" sewer line installations along NW 37th Avenue and served as Senior Engineer reviewing plans for the SR-25/US-27/Okeechobee Road reconstruction. Licensed as a Professional Engineer in Florida, he is committed to delivering innovative, cost-effective, and sustainable transportation solutions that improve safety, mobility, and infrastructure reliability.

His current workload includes continued service as Engineer of Record for FDOT District Six districtwide resurfacing scoping assignments, active roadway and signing and pavement marking support for FDOT District One milling and resurfacing projects, and ongoing senior engineering review and traffic control planning for FDOT transportation infrastructure assignments.

Gonzalo Barrera, PE | Signalization Engineering



Gonzalo brings **7 years** of experience, specializing in traffic signalization, signing and pavement marking, and transportation safety improvements for FDOT and local agency projects throughout South Florida. He has extensive experience delivering signalization improvements from concept development through final plans, including mast arm replacements, pedestrian signal upgrades, midblock crossings, detection systems, and cabinet and power service coordination, all in compliance with FDOT standards and MUTCD requirements. Gonzalo is proficient in AutoCAD and Bentley OpenRoads Designer and regularly applies 3D modeling to support constructability, quantity development, and utility conflict resolution. His representative experience includes serving as Project Engineer for the **NE 2nd Avenue Reconstruction Design Build Project in Miami-Dade County**, where he led signalization improvements for multiple intersections and midblock crossings while maintaining existing operations during construction. He also served as Project Engineer on the **FDOT District 4 SR-7 US-441 Transit Corridor Improvements**, delivering signalized crossings, pedestrian detection enhancements, and ADA-compliant upgrades to improve safety and multimodal connectivity. Gonzalo's technical expertise, attention to operational detail, and familiarity with FDOT processes support the delivery of safe, efficient, and compliant signalization solutions.

His current ongoing workload includes active service as Project Engineer on FDOT District Four's SR-7 US-441 Transit Corridor Improvements, continued signalization and roadway design support for Miami-Dade County's NE Second Avenue Design Build Reconstruction, and ongoing involvement in FDOT District Four roadway and safety improvement assignments.

Claudia Bustamante, MS, PE | Signing & Pavement Marking Engineering



Claudia brings **21 years** of experience, specializing in Signing and Pavement Marking (S&PM), channelization, and roadway safety engineering for FDOT and local agency projects. She has served as S&PM Engineer, Project Manager, and Engineer of Record on design build and conventional projects, delivering regulatory, warning, and guide signing systems, pavement marking layouts, and Temporary Traffic Control Plans in compliance with FDOT standards and MUTCD requirements. Her representative experience includes leading S&PM design for the **NE 2nd Avenue Reconstruction Design Build Project in Miami-Dade County**, supporting roadway widening and buffered bike lanes, and the **NW 84th Avenue Reconstruction Design Build Project**, providing comprehensive signing and pavement marking for a four-lane urban corridor with a two-way left-turn lane. Claudia's technical depth and regulatory expertise support safe, clear, and efficient roadway operations.

Her current workload includes continued service as Signing and Pavement Marking Engineer for Miami-Dade County's NE Second Avenue Reconstruction Design Build Project, ongoing S&PM design support for the NW Eighty Fourth Avenue Reconstruction Design Build Project, and active involvement in FDOT District Six districtwide resurfacing scoping assignments.

Moatz Saad, PhD, PE, PTOE, IMSA II | Traffic Engineering



Moatz brings **13 years** of professional experience, specializing in traffic operations, traffic safety, and advanced traffic analysis for FDOT, expressway authorities, and local agencies throughout Florida. He has extensive experience leading traffic impact analyses, safety studies, Transportation Management Plans, and operational evaluations using microscopic and macroscopic modeling tools, including Synchro, VISSIM, and regional models. Moatz routinely oversees traffic data collection programs, crash and Highway Safety Manual analyses, target speed studies, and signal operations evaluations to support planning, design, and construction decisions. His representative experience includes serving as Project Manager for the **FDOT District 4 Districtwide Traffic Operations Data Collection Contract**, providing multimodal traffic data and operational studies, and leading safety and operational analyses for the **Greater Miami Expressway Agency SR-836 Safety Studies**, evaluating complex interchange and ramp conditions. Moatz's strong analytical background and regulatory expertise support data-driven, defensible traffic engineering solutions.

His current workload includes ongoing leadership of traffic impact analysis and development review services for the City of Miami, continued management of safety and operations studies for the Greater Miami Expressway Agency along the Dolphin and Palmetto Expressway corridors, and active oversight of FDOT District Four districtwide traffic operations and data collection assignments.

Orlando Penate, PE, EE, IMSA III | Lighting/Electrical Engineering



Orlando brings **19 years** of electrical engineering experience, including 8 with HBC, with expertise in roadway and intersection lighting, power distribution, wastewater infrastructure, and utility coordination. He has served as Engineer of Record and Project Manager for major FDOT, Miami-Dade, Broward County, Palm Beach County, and Seminole Tribe of Florida projects, leading the design and QA/QC of roadway lighting, traffic signal systems, EV charging infrastructure, and 40/60-year building recertifications. His portfolio includes managing **lighting upgrades for the SR-878 Snapper Creek Expressway**, **designing intersection lighting retrofits across 29 FDOT District 4 intersections**, and serving as EOR for the **SR-7/US-441 Transit Corridor Improvements**. Orlando also provides electrical support for water and wastewater facilities, including MDC-WASD's Ocean Outfall Legislation Program and Brighton Indian Reservation WWTP expansion. Licensed as a Professional Engineer in Florida and certified as an IMSA Traffic Signal Field Technician Level III, he is committed to delivering efficient, safe, and innovative electrical systems that enhance infrastructure reliability and resilience.

His current workload includes continued leadership as Project Manager and Lighting Engineer of Record for the Greater Miami Expressway Agency SR Eight Seven Eight LED lighting conversion, active electrical engineering support during construction for Miami-Dade County's Central District Wastewater Treatment Plant improvements, and ongoing electrical inspection and reporting services for Miami-Dade County Parks facility recertification assignments.

Fernando Craveiro De Sa, PhD | Grant Writing



Fernando brings **47 years** of civil and environmental engineering experience, including seven with HBC, with expertise in water and wastewater infrastructure, feasibility studies, and master planning. He has managed and reviewed major projects for Miami-Dade WASD, SFWMD, Broward County, PRASA, and international agencies, covering planning, conceptual evaluations, design, permitting, and construction oversight. His background includes PERs, sustainability and resiliency strategies, hazardous waste management, and QA/QC for large-scale water reuse and treatment projects. Notable roles include QA/QC Reviewer for **PRASA's wastewater treatment plant consolidation PERs**, QA/QC for **Miami-Dade's CDWWTP Oxygen Plant Design-Build**, and Client Service Manager for the **MDC-WASD Master Plan Update** that secured a 20-year water use permit. Holding a PhD in Civil/Environmental Engineering and licensed as an Engineer Intern in Texas, Fernando is committed to delivering sustainable, cost-effective solutions that strengthen long-term water, wastewater, and environmental systems.

His current workload includes providing senior technical oversight and QA QC support for Miami-Dade County Water and Sewer Department water and wastewater planning initiatives, ongoing QA QC and advisory services for PRASA wastewater treatment plant evaluation and preliminary engineering efforts, and continued principal-level support on multidisciplinary infrastructure assignments focused on concept planning, feasibility assessments, and technical risk management.

MOFFATT & NICHOL, INC.

Tim Blankenship, PE | Erosion Control; Environmental Engineering

Tim has over **30 years** of professional experience, specializing in coastal engineering, shoreline stabilization, and resilient waterfront infrastructure throughout Florida. He has led multidisciplinary teams on beach nourishment, inlet and coastal structure design, seawall systems, and nature-based shoreline solutions, applying advanced

numerical modeling and site-specific coastal analyses to address erosion, storm surge, and sea level rise. Tim's representative experience includes serving as Project Principal for the **North Bay Village Seawall Ordinance Development**, where he evaluated municipal shorelines and established minimum seawall elevations and adaptive stabilization standards, and as Project Principal for the **West Avenue Phase II Improvements in Miami Beach**, leading the waterfront design components supporting major stormwater pump station infrastructure and overwater baywalk improvements. His depth of technical expertise, permitting experience, and leadership in resilient coastal design support durable, forward-looking solutions for public agencies and private clients.

His current workload includes continued service as Project Principal for the West Avenue Phase II waterfront and baywalk improvements in Miami Beach, ongoing technical advisory support for the Village of Key Biscayne Resilient Infrastructure Program focused on shoreline stabilization and flood protection, and active coastal engineering and permitting support for PortMiami bulkhead replacement and marine infrastructure improvement initiatives.

Tom Fucigna | Stream Mitigation Site Plan; Wetland, Stream & Buffer Permitting

Tom brings **over 30 years** of professional experience specializing in environmental permitting, natural resource assessments, and regulatory coordination for complex upland, wetland, coastal, and offshore projects throughout South Florida. He has extensive experience securing and coordinating permits with USACE, FDEP, USCG, NMFS, USFWS, FWC, and local agencies, and supports projects from planning and design through construction and post-construction monitoring. Tom's expertise includes wetland delineation, seagrass and mangrove mapping, wildlife and protected species surveys, mitigation planning, and compliance monitoring for transportation, marine, and infrastructure projects. Representative experience includes leading environmental permitting for the **Jupiter US-1 Bridge Replacement**, coordinating federal and state approvals for bridge reconstruction over the Loxahatchee River, and serving as environmental lead for the **17th Street Bridge Repairs in Vero Beach**, supporting regulatory approvals for in-water repairs within the Indian River Lagoon. His depth of regulatory knowledge and field experience supports timely approvals and environmentally responsible project delivery.

His current workload includes ongoing environmental permitting and regulatory coordination for coastal and marina improvement projects in South Florida, continued environmental assessment and agency coordination support for bridge and transportation infrastructure projects involving in-water work, and active delivery of wetland, seagrass, and protected species evaluation services for public and private coastal infrastructure initiatives.

Lawrence DeRose, PE | Special Inspection Services

Lawrence brings more than **40 years** of professional experience specializing in marine, structural, and civil engineering for port, terminal, waterfront, and large-scale infrastructure projects throughout South Florida and Puerto Rico. He has extensive experience leading multidisciplinary efforts from feasibility and planning through design, permitting, construction, and certification, working closely with port authorities, municipalities, and aviation agencies. Lawrence's expertise includes port and terminal infrastructure, marine and waterfront structures, structural design, hydrology and hydraulics, and construction-phase engineering oversight. Representative experience includes serving as Ports Lead for the **PortMiami Shore Power Pilot Study,** providing project management leadership for the **San Juan Cruise Terminal development,** and acting as Principal-in-Charge for **complex aviation, hospitality, and public facility projects across South Florida.** His depth of technical knowledge, leadership experience, and practical understanding of constructability support reliable delivery of complex port and waterfront infrastructure projects.

His current workload includes continued service as Ports Lead for the PortMiami Shore Power Pilot Study, ongoing project management support for the San Juan Cruise Terminal development, and active principal-level oversight of port and waterfront infrastructure assignments involving design review and construction certification.

KEITH AND ASSOCIATES, INC.

Kelli Schueler, PLA, LEED AP | Landscape Architecture



Kelli brings **22 years** of professional experience, including 8 years with KEITH, delivering planning, landscape architecture, and project management services for municipal, institutional, and recreational projects throughout Florida. She leads multidisciplinary teams through all phases of project delivery, integrating sustainable design practices, ADA-compliant pedestrian access, and context-sensitive solutions that enhance public spaces and community use. Kelli's representative experience includes serving as Landscape Architect for the **Charlotte Burrie Civic Center in Pompano Beach**, a LEED v4 certified civic campus incorporating civic, recreational, and public gathering spaces, and the **Everglades Holiday Park Improvements in Broward County**, a $12 million park expansion and site improvement project within sensitive environmental and flood control areas. Her technical expertise, leadership, and focus on constructability support high-quality, resilient landscape solutions for public-sector clients.

Her current ongoing workload includes continued leadership on municipal civic and public facility landscape projects in Pompano Beach, ongoing landscape architecture and site design support under general engineering continuing services contracts for Broward County municipalities, and active involvement in park and recreational facility improvements requiring sustainable design, permitting coordination, and construction phase support.

Bryan Merritt, PSM | Survey, Mapping, and SUE; Right of Way Services



Bryan brings **43 years** of professional experience, specializing in surveying, geospatial engineering, and Subsurface Utility Engineering (SUE) services for municipal and infrastructure projects throughout Florida. He oversees all survey and SUE operations, providing strategic leadership, quality control, technology evaluation, and multidisciplinary coordination to support complex public works programs. Bryan's expertise includes boundary, topographic, hydrographic, and engineering design surveys, utility designation, and construction certification in compliance with Florida standards. His representative experience includes serving as Principal for the **SE 5th Avenue Bridge Replacement in Pompano Beach**, providing comprehensive survey services to support bridge improvements, and leading survey and SUE services for **South Florida Water Management District Continuing Survey Services**, supporting canal, reservoir, and water resource projects across multiple counties. Bryan's depth of experience and leadership ensure accurate, reliable geospatial data that supports efficient project delivery.

His current workload includes continued leadership of survey and subsurface utility engineering services for water and reuse treatment plant projects for the City of Pompano Beach, ongoing survey and utility support for transportation and bridge improvement assignments within the City, and active management of survey and SUE services under continuing services contracts for the South Florida Water Management District.

FLORIDA ENGINEERING & TESTING, INC.

Reza javidan, PE | Geotechnical Engineering; Materials Testing



Reza has over **35 years** of professional experience providing geotechnical engineering, foundation design, and construction support for complex infrastructure and vertical development projects. He specializes in the analysis and design of shallow and deep foundation systems, including drilled shafts, augercast piles, driven piles, helical piles, and pin piles, as well as excavation support systems, retaining walls, sheet piles, and pavement design. Reza has extensive experience with ground improvement techniques for challenging subsurface conditions, including reclaimed land and landfill sites, and routinely performs and oversees pile load testing, construction monitoring, and the review, signing, and sealing of geotechnical and materials testing reports. His representative experience includes serving as Senior Geotechnical Engineer for **high-rise developments up to 40 stories in South Florida**, delivering deep foundation systems and excavation support exceeding 20 feet in depth, and leading geotechnical design and ground improvement efforts for sites with poor or

reclaimed soils, utilizing vibro-replacement, deep dynamic compaction, grouting, and soil mixing methods to achieve constructible and cost-effective solutions.

His current ongoing workload includes ongoing geotechnical analysis and foundation design support for high rise and mid rise development projects, continued pavement and retaining wall design services for transportation and infrastructure improvements, and active oversight of geotechnical inspections, pile load testing, and materials testing report review and certification for construction phase projects.

MEDIA RELATIONS GROUP, LLC

Paulette Summers | Public Involvement



Paulette brings **26 years** of professional experience, leading public involvement, facilitation, and community engagement programs for transportation and infrastructure projects throughout South Florida. She specializes in developing and implementing Public Participation Plans, coordinating public meetings and workshops, preparing outreach materials, and managing stakeholder and media relations for FDOT, MPOs, counties, and municipalities. Paulette routinely supports concurrent design and construction contracts, ensuring consistent messaging, regulatory compliance, and effective community coordination across project phases. Her representative experience includes leading public involvement for the **FDOT District Four SR 736 Davie Boulevard Bridge Rehabilitation Project**, overseeing outreach strategy and public meeting coordination, and supporting the **Broward MPO Fort Lauderdale Roadway Railroad Underpass Feasibility Study**, where she led preparation of the Public Participation Plan and quality control of public meeting materials. Paulette's experience, organizational strength, and relationship-building skills support successful project delivery and informed community engagement.

Her current ongoing workload includes ongoing leadership of public involvement efforts for FDOT District Four bridge rehabilitation and corridor improvement projects, continued public participation planning and facilitation support for Broward MPO planning and feasibility studies, and active delivery of community outreach services under FDOT District Four continuing services contracts supporting transportation design projects across Broward and Palm Beach counties.

FIRM'S CURRENT WORKLOAD

HBC is fully prepared to support the City's continuing structural engineering needs under this CCNA-based contract. With over 80 professionals statewide, HBC provides the capacity and flexibility to efficiently support concurrent task authorizations while delivering consistent quality for municipal assignments ranging from structural assessments to complex rehabilitation and replacement projects.

HBC has completed a detailed review of its current and projected workload and confirms the immediate availability of qualified personnel dedicated to this contract. **Sreelatha Nandivada, PE**, the proposed Project Manager, exceeds the minimum RFQ qualifications and brings more than two decades of experience in structural and bridge engineering for municipal and transportation clients. She will serve as the primary point of responsibility for task order execution, coordination, and quality oversight and will be available to initiate services immediately upon contract award, ensuring continuity, accountability, and responsiveness across all assignments.

Project delivery will be supported by HBC's structured resource management approach, with weekly planning meetings to monitor workload, staffing, and progress. This allows proactive adjustments as scopes evolve, ensuring schedule adherence, responsiveness to changing priorities, and cost control consistent with CCNA requirements.

Quality assurance and quality control are embedded throughout each phase of service. HBC applies formal QA/QC procedures that include senior technical review, constructability evaluation, and coordination checks to minimize risk, prevent rework, and maintain project momentum. Our team has extensive experience delivering professional structural engineering services under municipal continuing contracts, including preliminary evaluations, design and permitting support, bidding assistance, construction administration, and project closeout, ensuring reliable and compliant support for the City throughout the full lifecycle of each task order.

With a proven history of on-time, on-budget performance and an experienced team ready to mobilize, HBC offers the City a reliable and responsive partner.

Our structure, staff, and strategic management practices ensure successful execution of this contract while upholding the City's standards for technical excellence, public communication, and timely project delivery.

Project Team Availability

Adebayo Coker, PE	80%
Sreelatha Nandivada, MS, PE	90%
Sonny Abia, PhD, PE	80%
Christopher Soto, PE, RSO	100%
Roberto Rubio, MS, PE	90%
Bunrith Heng, MS, PE	90%
Hernan Lugo, MS, PE, CFM	90%
Adelbert Shaffer, PE	90%
Jose A. Lopez, PE	80%
Alexander Tzenkov, EI	85%
Leandro Vazquez	90%
Joseph Williams	90%
Edgar Diaz, MS, PE, PSM	90%
Teodoro Tefel, PE	80%
Osmin Ocon, EI	90%
Eugene Hunter, IMSA I	100%
Rodolfo Cacers, PE, IMSA I	100%
Claudia Rodriguez, PE, IMSA I	100%
Scott SMith, IMSA I	100%
Jeffrey Behari, IMSA I	100%
Luis Membreno	100%
Francisco Rodriguez	100%
Jay McGuinness, IMSA I	100%
Adrian Valdes	100%
Omar Sosa	100%
Gonzalo Barrera, PE	80%
Claudia Bustamante, MS,PE	80%
Ynaja Juste, EI	90%
Moatz Saad, PhD, PE, PTOE, IMSA II	80%
Jeremy Braithwaite, IMSA II	90%
Gabriel A. Evilla Cano, MS	90%
Orlando Penate, PE, IMSA III	80%
Maikel Fiallo Nunez, PE	90%
Fernando Craveiro de Sa, PhD, EI	90%
Melannie Gomez	85%
Kelli Schueler, PLS, LEED, AP	80%
Chris Phillips, PLA, ASLA	90%
Bryan Merritt, PSM	70%
Mark Mitchell	70%
Sean Halsey	70%
Reza Javidan, PE	70%
Paulette Summers	85%
Ludovic Binner, PE	90%
Toan Nguyen, PE	90%
Lawrence DeRose, PE	85%
Tim Blankenship, PE	90%
Julia G, Grissett, EI	90%
Tom Fucigna	90%

HBC is currently managing a steady and well-balanced portfolio of projects, all at various stages of development—from early planning and design phases to construction and closeout, with many projects nearing completion by the end of the year.

As shown in the table below, HBC frequently serves as a subconsultant, supporting lead firms and agencies with specialized structural, civil, and construction engineering expertise. These active engagements include work relevant to this RFQ, such as structural inspections, bridge evaluations, seawall replacements, utility coordination, and preparation of construction documents.

Our multidisciplinary team is prepared to deliver responsive and sustainable structural engineering solutions that align with the City's needs.

Status	Project Name	HBC Prime or Subconsultant: Client	Begin Date	End Date (Expected)
Active	CE Downtown Intermodal Terminal (ST)	**Subconsultant:** AECOM	Feburary 19,2025	October, 2025
Active	Water Treatment Plant No. 2 Expansion	**Subconsultant:** Kimley Horn	Feburary 18,2025	October, 2025
Pending	Stormwater PM Support Services	**Prime:** City of Miami	January 27,2025	2027
Active	Bike Immersion Study - TPO SMART STEP	**Subconsultant:** BCC Engineering	January 10,2025	September, 2025
Active	El Car Wash Pompano III Queueing A	**Prime:** National Car Wash	January 21,2025	September, 2025
Active	Project Management SAS WASD (PCTS 15365)	**Prime:** WASD	January 20,2025	2027
Active	Staff Augmentation GIS Specialist	**Prime:** WASD	January 20,2025	2027
Active	PNC2119168P1_1 CGA-08 N Andrew Ave NE 26	**Subconsultant:** Calvin Giordano & Assoc.	November 11,2024	July, 2025
Active	PNC2119168P1_1 - Cypress Creek Rd	**Subconsultant:** Calvin Giordano & Assoc.	November 11,2024	July, 2025
Active	PNC2119168P1_1 - FON Wiles Road CSD-SR7	**Prime:** Broward County/CGA	November 11,2024	2026
Active	CCTV Southern Turnpike Upgrades	**Prime:** FTE	November 07,2024	2026
Active	SR-708 Blue Heron Blvd. (Lighting)	**Prime:** FDOT D4	October 4,2024	2026
Active	Structural Analysis Alton & Lincoln Rd.	**Subconsultant:** Choice Engineering Conslt.	September 26,2024	May, 2025
Active	STOF Miscellaneous Services	**Prime:** Seminole Tribe of FL	August 29,2024	2029
Active	Four Points / EOC Connector Project	**Subconsultant:** OLC Architecture	August 20,2024	April, 2025
Active	SR 93A Lane Closure Analysis	**Prime:** Gosalia Concrete Constructors, Inc.	August 13,2024	2026
Active	Basin H1 Stormwater Improv. (B.G.)	**Prime:** City Of Belle Glades	August 7,2024	2026
Active	Venetian Causeway Speed Study	**Subconsultant:** EAC	August 7,2024	April, 2025
Active	CA961 TWO 11 Travel Time Validation	**Subconsultant:** Gannett Fleming	August 1,2024	April, 2025
Active	US1 Overseas Highway MOT	**Subconsultant:**OHLA USA	July 30,2024	March, 2025
Active	Traffic Impact Study Delaware Parkway	**Prime:** ROVR Development	July 18,2024	2026
Active	Prof Serv for WASD Standards and Specif.	**Subconsultant:** Gannett Fleming	July 10,2024	March, 2025
Active	Seminole Pratt Whitney Road: Orange Blvd	**Subconsultant:** Mehta & Associates	June 24,2024	March, 2025
Active	CEI Services for Two Lime Slaking System	**Prime:** Miami Water and Sewer	June 24,2024	2026
Active	Pompano Citi Center	**Prime:** Morgan Group, LLC.	June 6, 2024	2026
Active	GMX 30041-000.020 SR 878 LIGHTING	**Subconsultant:** GMX	June 17, 2024	March, 2025
Active	HWO Air Traffic Control Tower	**Subconsultant:** McFarland - Johnson, Inc	May 17,2024	March, 2025
Active	PBC CSA#1_2022825-001_Boynton Beach Blvd	**Prime:** Palm Beach County	April 5, 2024	2029
Active	Improvements to Sanitary Trunk Sewer Van Scoy	**Subconsultant:** Jacobs Engineering Group	March 24,2024	Awaiting Closeout
Active	QC Review for Weston Road	**Subconsultant:** CGA	March 24,2024	Awaiting Closeout
Active	WASD William Lehman Causeway	**Subconsultant:** CHA Conslt.	March 25,2024	Awaiting Closeout
Active	Roof Evaluation of 22 Metrorail Stations	**Subconsultant:** AECOM	March 24,2024	Awaiting Closeout
Active	Multiple Parks - 40 Years Recertifications	**Prime:** Miami Dade County Parks	March 20,2024	2026
Active	Shorty's South Tower	**Subconsultant:** Atlantic Pacific Companies	March 20,2024	Awaiting Closeout
Active	CEI Services PBC Annual Services Donald Ross Rd	**Subconsultant:** Mehta & Associates	Feburary 20,2024	Awaiting Closeout
Active	Wiles Rd Between SR 7 and I 95	**Subconsultant:** CGA	January 19, 2024	Awaiting Closeout
Active	Riverwalk N Seawall Replacement	**Prime:** City of Fort Lauderdale	January 19, 2024	2026
Active	Las Picuas WWTP CIP 3-15-9000	**Prime:** PRASA	January 19, 2024	2026
Active	Complete St improvements Boynton Beach	**Prime:** FDOT D4	January 15, 2024	2026
Active	PER for Elimination of Unibion, Morovis and Ciales WWTP	**Subconsultant:**CSA Group/ Puerto Rico	January 26, 2024	Awaiting Closeout
Active	Port Everglades Master/Vision Plan Update	**Subconsultant:** AECOM	Nov. 28,2023	Awaiting Closeout
Active	East Palm Drive - Phase 2	**Subconsultant:** EAC Consultant	December 9, 2022	Awaiting Closeout
Active	Design Build Serv. Roadway Signs at Metrorail Stations	**Subconsultant:** Karmil	December 7, 2022	Awaiting Closeout
Active	PBC CSA#10 2022825-007 Atlantic Ave	**Prime:** Palm Beach County	February 26, 2024	Awaiting Closeout

Buildings Report for Capital Repair Plans

Miami-Dade County Water and Sewer Department (MDC-WASD)



HBC led the MDC-WASD Buildings Report for Capital Repair Plans Project, overseeing the structural and electrical inspection of MDC-WASD-owned buildings and facilities at the Alexander Orr and Hialeah Water Treatment Plants. Inspections covered key components such as raw sludge holding tanks, chlorine contact basins, clarifiers, aeration basins, filtration areas, unloading stations, pump rooms, ammonia storage and feed areas, fuel tanks, and warehouses. Ancillary structures included concrete and masonry buildings, staircases, platforms, ladders, and handrails.

HBC developed a standardized field inspection template and directed a team of engineer inspectors in conducting structural evaluations. Responsibilities included preparing detailed reports, reviewing others' reports for accuracy and formatting consistency, and documenting deficiencies and well-maintained features with photos. Reports provided repair recommendations and associated quantity estimates.

The team performed visual assessments, reviewed as-built drawings and maintenance records, and compiled findings into Building Inspection Reports that included cost estimates for required repairs. HBC managed project schedules, coordinated inspections across multiple sites, and ensured safe site access.

The inspections supported MDC-WASD's planning for major capital repairs over the next five years and ensured compliance with BCC Resolution No. 229-22. A total of 82 comprehensive inspection reports were produced, and the project was completed on time and in accordance with project requirements.

Location
Miami-Dade County, FL

Dates
04/2022 - 06/2022

Budget
Negotiated Cost: $378K
HBC Fee: $378K

Reference
Jose Vizoso
(786) 552-4369
jose.vizoso@miamidade.gov
3071 SW 38th Ave.
Miami, FL 33146

Key Components
Building inspections, water treatment structures, structural assessments, electrical evaluations, inspection reporting, photo documentation, repair recommendations, quantity estimates, cost estimating, coordination with operators

Completed On Time & On Budget

GMX ITB 21-06 Bridge Joints Maintenance Project

Greater Miami Expressway Agency (GMX)



HBC Engineering Company (HBC) provided Construction Engineering and Inspection (CEI) services for this project. HBC's senior inspector oversaw the different types of bridge joint repairs, including the concrete restoration of spalling and cracking and the sealing of bridge joint systems. HBC's senior inspector also oversaw the Maintenance of Traffic (MOT) and safety procedures for this project. This project consisted of the bridge joint repairs for 4 corridors, including S.R. 874/Don Shula Expressway, S.R. 878/Snapper Creek Expressway, S.R. 836/Dolphin Expressway, and S.R. 924/Gratigny Parkway in Miami-Dade County, Florida.

Location
Miami, FL

Dates
2021 - 2022

Budget
Negotiated Cost: $250K
HBC Fee: $250K

Reference
Alejandro Martinez, PE
(305) 905-1958
amartinez@eacconsult.com

Contract No.
ITB 21-06

Key Components
Construction Engineering and Inspection (CEI) services

Completed On Time & On Budget



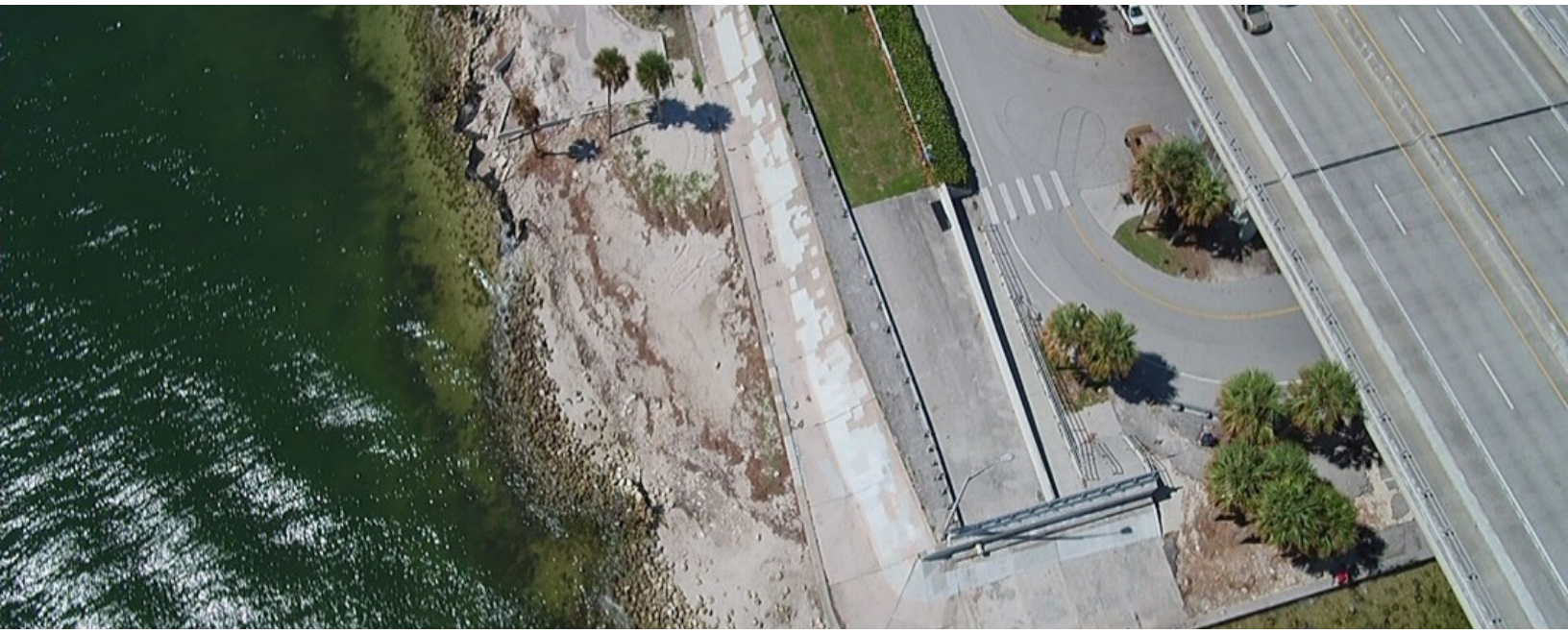

Allmand
C-4 CANAL
874642





Rickenbacker Causeway Lane Reduction Feasibility Study

Miami-Dade County Department of Transportation and Public Works



The Rickenbacker Causeway serves as a critical connection between the Miami Metropolitan Area and the Village of Key Biscayne. As a regional arterial, it accommodates commuters, recreational users, and functions as a key hurricane evacuation route. Due to its importance, any changes to its lane configuration must be carefully evaluated to meet the transportation needs of all users safely and efficiently.

HBC led a traffic study to assess the feasibility of reducing the number of lanes from three to two while maintaining effective traffic operations. The study included:

- Data collection to capture traffic volumes, travel patterns, and user behavior
- Traffic forecasting, analysis, and simulation
- Evaluation of hurricane evacuation needs and special events
- Public involvement and project management

The study also included an evaluation of design alternatives:
No-Build Alternative: Retains current lane configurations
Build Alternatives: Considered various reconfigurations to enhance safety and multimodal access
Two build alternatives were examined in greater detail for their operational impacts. Through detailed analysis and modeling, HBC delivered a data-driven evaluation that supports informed decision-making. The study contributes to a long-term strategy that balances multimodal transportation, safety, and emergency preparedness along this essential corridor.

Location
Miami, FL

Dates
2015 - 2022

Budget
Negotiated Cost: $33,660
HBC Fee: $33,660

Reference
Yanek Fernandez, PE
(305) 375-3016
yanek.fernandez@miamidade.gov
701 NW 1st Court
Suite 1700
Miami, FL 33136

Key Components

Traffic study, data collection, forecasting, simulation, public involvement, design evaluation.

Completed On Time & On Budget

Structural Assessment on Liebherr Building

Liebherr USA, Co



HBC was engaged by Liebherr USA, Co. to conduct a detailed structural assessment of the Liebherr Building at at 15101 Nw 112th Ave., Hialeah Gardens, Fl 33108. The primary goal of the project was to evaluate the overall integrity and stability of the facility's structural components. HBC's team performed a thorough inspection of key areas, including the foundation, columns, beams, floors, and other essential structural elements, using advanced diagnostic tools and techniques to identify any potential concerns. The assessment focused on detecting existing damage, deterioration, or weaknesses that could compromise the building's safety and functionality over time.

Our team also evaluated the materials used in the construction of the building, ensuring that they met current safety standards. The structural report delivered to Liebherr USA, Co. outlined all findings in detail, providing clear recommendations for necessary repairs, maintenance, or upgrades to maintain the building's structural integrity. This proactive assessment will help Liebherr USA, Co. address any potential issues before they become critical, ensuring the continued safety and longevity of the building.

Location
Hialeah Gardens, FL

Dates
12/2023 - 2/2024

Reference
Yanet Sepulveda
(305) 817-7500
yanet.sepulveda
@liebherr.com

Budget
Negotiated Cost: $6K
HBC Fee: $6K

Key Components
Structural inspection

Completed On Time & On Budget

SR-656/17th Street East End of Bridge No. 880077

FDOT District 4



This project involves the Roadway and Signing & Pavement Markings (S&PMs) design for repairing the deteriorated spans at the east end of Bridge Number 880077 to extend its service life. The bridge, which spans 4,730.5 feet, carries SR-656/17th Street over the Indian River Lagoon and the Intracoastal Waterway (ICWW). The existing bridge section is 84 feet wide and includes four 12-foot lanes, 6-foot inside shoulders, and 10-foot outside shoulders with marked bicycle lanes.

Roadway improvements include milling and resurfacing both bridge approaches and replacing the approach slab at the east end. To restore all pavement markings affected by the Maintenance of Traffic (MOT) and ensure compliance with current standards, new S&PMs were designed for the entire project.

HBC is responsible for the Roadway and S&PMs design, focusing on the repair of the deteriorated spans at the east end of Bridge Number 880077 while ensuring its continued functionality and longevity.

Location
Vero Beach, FL

Dates
2021 - Ongoing

Budget
Negotiated Cost: $13M
HBC Fee: $1.2M
Construction Cost: $12.6M

Reference
Bing Wang, PE
(954) 777-4406
bing.wang@dot.state.fl.us
3400 W. Commercial Blvd.
Ft. Lauderdale, FL 33309

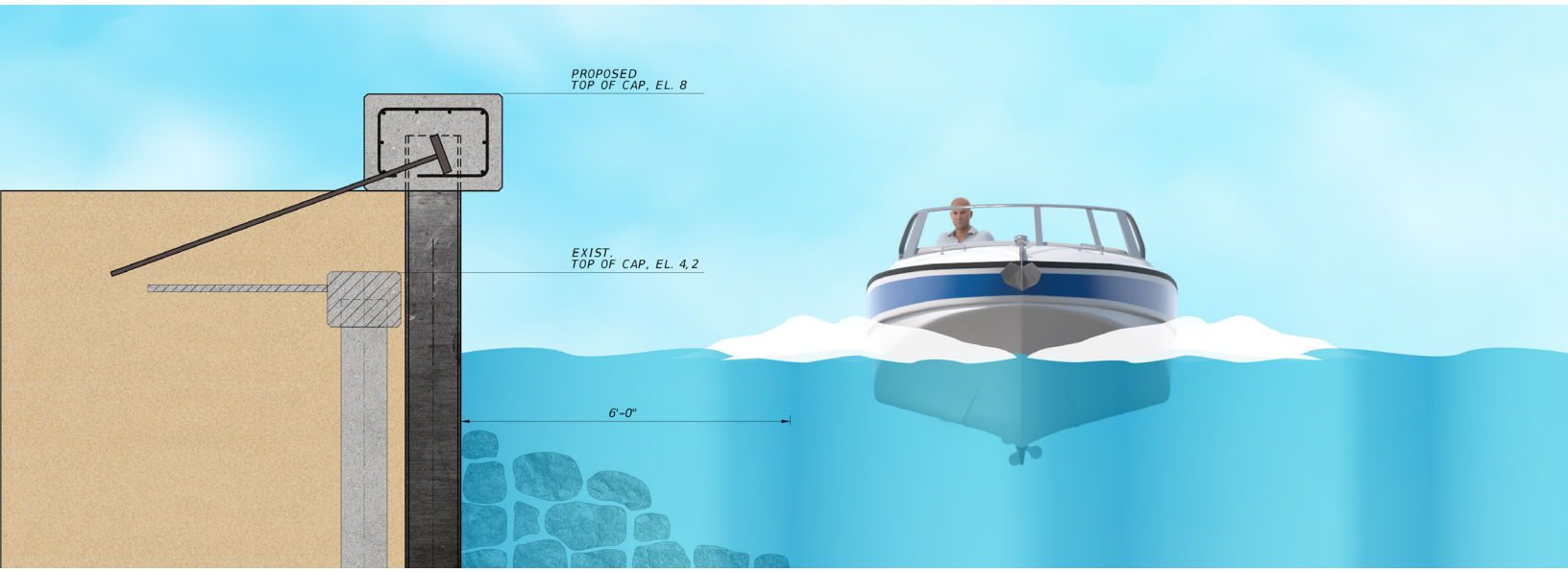
Key Components
Roadway design, signing and pavement markings (S&PMs), bridge span repairs, milling and resurfacing, approach slab replacement, maintenance of traffic (MOT)

On track to being Completed On Time & On Budget

HBC

Riverwalk North Seawall Replacement

City of Fort Lauderdale



HBC is providing design services for the replacement of the Riverwalk North seawall, starting from the Andrews Avenue bridge and going five hundred feet west toward the FXE train track.

This project includes but is not limited to the following:

- The design of a new seawall in the form of sheet piling in front of the existing concrete seawall on the side facing the river
- The demolition of the existing concrete catwalk located in front of the existing seawall on the side the side facing the river
- The installation of fixed docks attached to the new seawall
- The installation and attachment of new floating docks and amenities
- The relocation of utilities attached to the concrete catwalk as well as the replacement of utility stations located on the existing concrete catwalk
- The replacement of various electrical shore-ties pedestal
- The inspections of deteriorated structure elements on site and preparation designs and specifications for appropriate repairs and replacements
- Data collection and review of existing condition
- Various post design services such as attending, recording, and preparing of minutes of the pre-construction meeting and the review of all shop drawings, product data, cut sheets, and submittals to determine compliance.

Location
Fort Lauderdale, FL

Dates
2024 - Ongoing

Budget
Negotiated Cost: $450K
HBC Fee: $386K
Construction Cost: $N/A

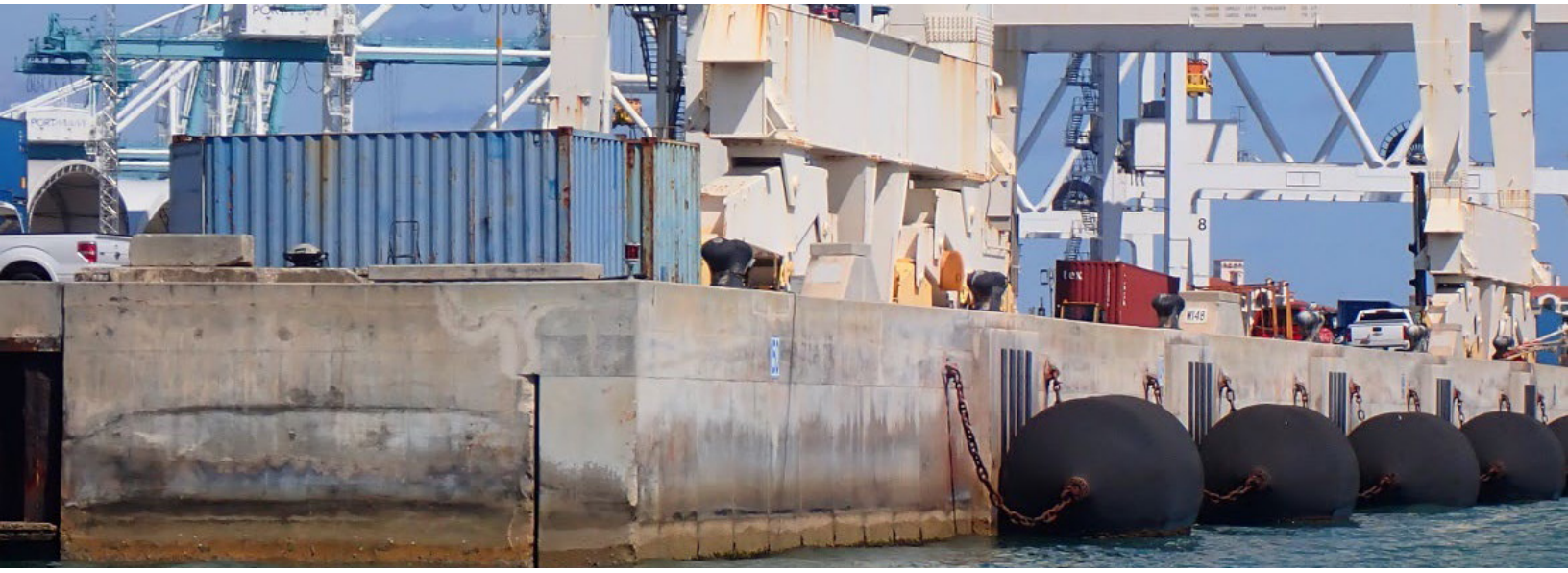
Reference
Ana Ziegler, EE/PM II
(954) 828-5817
aziegler@fortlauderdale.gov
100 North Andrews Avenue
Fort Lauderdale, Florida, 33301

Scope of Services
Seawall design, catwalk demolition, fixed docks, floating docks, utility relocation, utility station replacement, electrical pedestal replacement, structural inspections, condition assessment.

On track to being Completed On Time & On Budget

South Bulkhead Repairs Bays 148-155

PortMiami



HBC supported PortMiami on a waterfront infrastructure improvement project that included the removal of a Roll-On/Roll-Off (RORO) pier and the demolition and reconstruction of the existing bulkhead concrete cap. The scope also involved the replacement of mooring and berthing components, including bollards and fenders, and the installation of a relieving platform to support mobile harbor crane operations. HBC was responsible for modifying existing site utilities to accommodate the removal of water and electrical ship service stations.

The project also required raising the finish grade pavement elevation with a 0.5% transition slope to allow the mobile harbor crane to access the east end of the new bulkhead cap. Additional services included storm drainage improvements, grading, and pavement design to conform to the new site geometry. HBC also oversaw the installation of sheet pile corrosion protection systems, including both encasement and externally mounted anode systems.

Location
Miami, FL

Dates
2023 - Ongoing

Budget
Negotiated Cost: $14.5M
HBC Fee: $370K
Construction Cost: $14M

Reference
Yosmel Milian
(305) 967-3977
yosmel.milian@
miamidade.gov
1015 N. America Way
2nd Floor
Miami, Florida 33132

Contract No.
2022-026

Key Components
Pier removal, bulkhead reconstruction, mooring replacement, relieving platform, utility modifications, pavement elevation adjustment.

On track to being Completed On Time & On Budget

Water Treatment Plant No. 2 Expansion

Palm Beach County Water Utilities Department (PBCWUD)







HBC supported the Palm Beach County Water Utilities Department for the expansion of Water Treatment Plant No. 2 (WTP 2). This transformative initiative is focused on increasing treatment capacity, addressing emerging contaminants, and improving operational reliability throughout the County's water system.

HBC's contributions to this effort include hydraulic analysis and modeling to inform system performance and treatment optimization, electrical engineering services to support process improvements and infrastructure upgrades, permitting assistance to ensure regulatory compliance, and site-specific field investigations to aid in design development and modernization.

Working in close collaboration with the prime consultant and County stakeholders, HBC remains committed to delivering responsive, high quality solutions that support long-term infrastructure resilience and operational excellence.

Location
West Palm Beach, FL

Dates
1/2024 - Ongoing

Budget
Negotiated Cost: $137K
HBC Fee: $137K

Reference
Lance Littrell P.E
lance.littrell@
kimley-horn.com
407-412-7544

Contract No.
23-038

Key Components
Structural, Water and Wastewater

On track to being Completed On Time & On Budget

Hollywood Seminole Indian Reservation Pedestrian Bridge

Seminole Tribe of Florida (STOF)



HBC Engineering Company is providing comprehensive structural and civil engineering services for the design of a new pedestrian bridge to safely connect key areas within the Hollywood Seminole Indian Reservation across SR-7. The bridge will enhance pedestrian mobility and community safety. The scope includes:

- Structural analysis and schematic design of three bridge concepts
- Field investigations including topographic and boundary surveys, utility locates, and geotechnical investigations
- Development of 30%, 90%, and 100% construction documents
- Coordination with STOF, FDOT, FHWA, and other regulatory stakeholders
- Preparation of technical specifications, permit applications, and stormwater design
- Support during the bid phase, including pre-bid assistance and construction document conformance
- Optional services such as 3D renderings, drone video flyovers, and virtual presentations
- Roadway set of plans is being developed as part of the design, incorporating typical sections, cross-sections, signing and pavement marketing plans

Location
Hollywood, FL

Dates
2025 -Ongoing

Budget
Negotiated Cost: $4M
HBC Fee: $2.3M
Construction Cost: $3.5M

Reference
Omar Nunez
josenunez@semtribe.com
(954) 894-1060

Contract No.
380349

Key Components
Bridge schematic design, stormwater design, roadway plans, field investigation, topographic survey, utility location, geotechnical investigation, 30% design development, 90% and

All deliverables follow the standards and permitting requirements of the Seminole Tribe of Florida and applicable state and federal regulations.

100% design submittals, lighting analysis, permit coordination, quality control, bid phase support, 3D renderings, video renderings

On track to being Completed On Time & On Budget



CCTV Southern Turnpike Upgrades

Florida's Turnpike Enterprise (FTE)



HBC Engineering Company (HBC) is supporting Florida's Turnpike Enterprise (FTE) with the design and preparation of contract documents for the Southern Turnpike Closed-Circuit Television (CCTV) Upgrades project. This system-wide initiative enhances the operational visibility of critical Turnpike locations by deploying 31 new CCTV cameras at various mileposts along S.R. 91/Florida's Turnpike Mainline and S.R. 821/Homestead Extension of Florida's Turnpike (HEFT), including key service plazas, such as Snapper Creek, Pompano Beach, West Palm Beach, Fort Pierce, and Fort Drum. The upgraded Intelligent Transportation System (ITS) infrastructure will enable real-time monitoring, improved emergency response, and future data collection capabilities.

As the design consultant, HBC is responsible for preparing construction-ready plans, specifications, and supporting documents that align with FDOT's systems engineering process and Rule 940 ITS requirements. The scope includes ITS design, roadway analysis, survey, geotechnical investigations, utility coordination, and environmental documentation. HBC's team is also providing Subsurface Utility Engineering (SUE) services, drainage analysis, and all associated QA/QC processes, ensuring the system meets performance standards, while minimizing future maintenance needs. This project will be integrated with FDOT's SunGuide® software and monitored from the Pompano Beach and Turkey Lake Traffic Management Centers (TMCs).

Location
Southern Turnpike, FL

Dates
2024 - Ongoing

Budget
Negotiated Cost: $761K
HBC Fee: $761K

Reference
Bing Wang, PE
(954) 777-4419

Contract No.
V1018717R1

Key Components
ITS, CCTV

On track to being Completed On Time & On Budget

SR-817/University Dr from Nova Dr to SR-84 Bus Stop Bay

Florida Department of Transportation (FDOT) District 4 (D4)



HBC is providing professional engineering services for the redesign of the bus stop bay located at the northeast corner of Nova Drive and SR 817 University Drive. The project is focused on improving passenger access, safety, and overall operational efficiency for transit users while maintaining efficient traffic operations along this high volume corridor. The scope includes evaluation of existing geometric conditions, coordination with transit and roadway stakeholders, and development of improvements to the bus stop bay to support safer boarding and alighting, improved bus maneuverability, and reduced conflicts with adjacent traffic. Design considerations address accessibility, clear pedestrian paths, and compatibility with existing roadway features. The improvements are intended to enhance transit operations, reduce delays associated with bus stopping movements, and support more reliable service while minimizing impacts to surrounding traffic patterns.

Location
Davie, FL

Dates
02/2022 - Ongoing

Budget
Negotiated Cost: $2M
HBC Fee: $1.7M

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

Key Components
Bus stop bay reconfiguration, passenger access improvements, pedestrian circulation enhancements, transit operations optimization, roadway geometry adjustments, traffic flow improvements, safety enhancements.

On track to being Completed On Time & On Budget

Fort Lauderdale-Hollywood International Airport (FLL)Airfield Development Program

Broward County Aviation Department (BCAD)



HBC Engineering Company (HBC) provided comprehensive design and construction services for the development of Airside Drainage Construction Documents, ensuring compliance with regulatory standards and project requirements. The design scope included the preparation of plans for large rectangular drainage structures and 66" diameter concrete pipes interconnecting Ponds AM and E, reflecting the elimination of Taxiway E-3. Additionally, this project involved revising the Pond T grading plan to accommodate the removal of the existing Visual Approach Slope Indicator (VASI) system and the placement of the new Precision Approach Path Indicator (PAPI) and runway distance remaining devices. Further modifications were made to drainage areas U, V-1, V-2, W-1, W-2, X, Y, Z-1, and Z-2, which were transferred to the Runway Overlay Project. HBC also prepared the Environmental Resource Permit (ERP) to secure the Drainage Construction Permit. During construction, HBC provided key services, including the review and approval of shop drawings, responses to Requests for Information (RFIs), and modifications to the ERP to align with as-built conditions. Additional responsibilities included preparing construction schedule progress reports, reviewing as-built plans, and ensuring all drainage elements were implemented, per design intent and regulatory guidelines.

Location
Hollywood, FL

Dates
2007-2008

Budget
Negotiated Cost: $10.5M
HBC Fee: $450K
Construction Cost: $10.5M

Reference
Philip Partenheimer
(865) 483-9005
philip.partenheimer
@ch2m.com

Key Components
Drainage Design and Construction for the Airfield Development Program

On track to being Completed On Time & On Budget

moffatt & nichol

New Cruise Pier

St. John's, Antigua

CLIENT

Meridian Construction Company Ltd

OWNER

Government of Antigua and Barbuda

DESIGN START DATE

03/2018

DESIGN END DATE

2020

CONTRACT VALUE

$1,667,355

CONSTRUCTION VALUE

TBD



Newest cruise pier at St. John's, Antigua.

Completed On Time & On Budget

PROJECT OVERVIEW

Meridian Construction Company (Meridian) approached Moffatt & Nichol to provide engineering services for the design and construction of a new cruise ship pier to accommodate Oasis Class cruise ships in St. John's. The project included new steel sheet pile bulkhead, pile-supported pier, breasting and mooring dolphins, dredging works, and a timber boardwalk structure. In addition, grading, drainage and utilities were also part of the project development.

The pier is being delivered as a design-build project, with Moffatt & Nichol as the lead consulting engineer. We completed initial planning and studies, and completed the design of all marine elements of the project (dredging, pier, mooring dolphins, bulkhead, land reclamation, and provided construction support services.

As part of the initial studies, Moffatt & Nichol developed metocean design conditions and conducted a navigation infrastructure assessment that included a full bridge simulation in collaboration with some of Royal Caribbean's captains at the Simulation, Training, Assessment & Research Center in Dania Beach, Florida. This study helped optimize the design of the navigation infrastructure for the project (access channel, turning basin, and cruise ship basin). In addition, Moffatt & Nichol developed mooring and berthing analyses for the design fleet of vessels (Oasis and Quantum Class vessels) to size the mooring and berthing hardware for the project.

Following the completion of the design for all project elements, Moffatt & Nichol supported Meridian during the procurement and the construction.

Seawall Design Criteria

North Bay Village, Florida

CLIENT

EAC Consulting, Inc.

OWNER

North Bay Village

DESIGN START DATE

11/2019

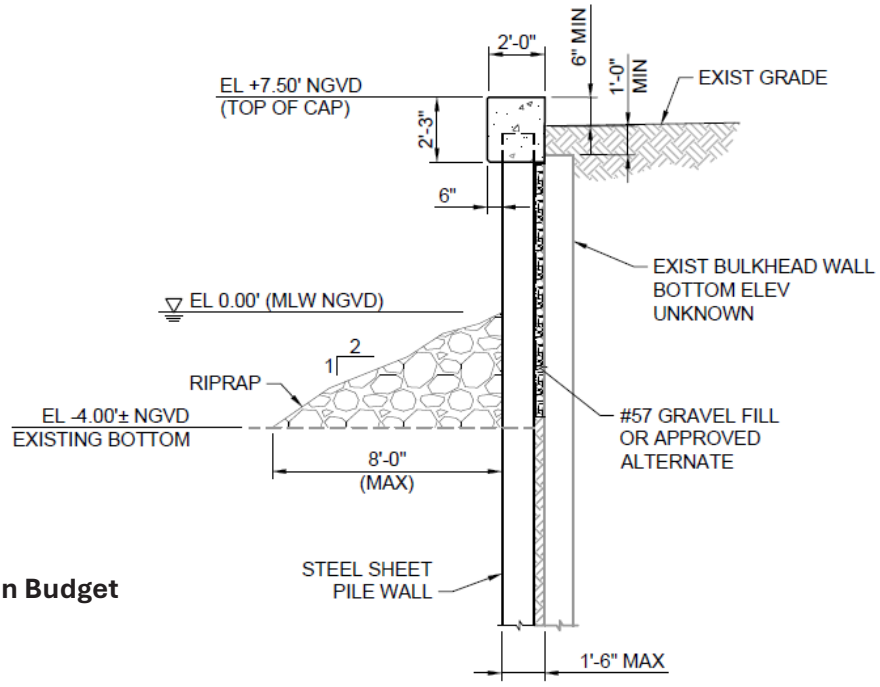
DESIGN END DATE

11/2021

CONTRACT VALUE

$18,500

Completed On Time & On Budget



Seawall design criteria cross section.

PROJECT OVERVIEW

In an effort to preserve public and private properties along the North Bay Village coastline against sea level rise and wave action, Moffatt & Nichol was retained by North Bay Village, as a subconsultant, to develop minimum design criteria for new seawalls to be designed and constructed within the village. These criteria will be used to facilitate overall resiliency and coastal defense through code creation. The village recently completed a master planning study highlighting resilient design and sustainability as a community wide approach titled NBV100 by DPZ CoDESIGN, which calls for the adaptability of seawalls and for the use of innovative design.

Moffatt & Nichol conducted a comprehensive review of current code requirements throughout Southeast Florida and the latest trends in predicted sea level rise and developed a minimum seawall cap elevation of 7.5 feet National Geodetic Vertical Datum. To account for variables in the future and with the various sea level rise curves used in the Southeast Florida Regional Climate Change Compact, Moffatt & Nichol recommended future seawalls also account for an additional 2.5 feet of cap elevation increase in the future without the need for redesign.

Moffatt & Nichol provided typical details of acceptable seawall configurations including, concrete pile and panel walls, innovative designs (including a glass fiber polymer reinforced concrete wall developed by the University of Miami), sheet pile walls (composite materials and steel), and living shorelines. Design conditions for seawalls relative to local geotechnical conditions and coastal processes (winds, wave, surge, etc.) were presented in the report. Moffatt & Nichol also presented environmental permitting requirements from the U.S. Army Corps of Engineers, Florida Department of

Environmental Protection, Miami-Dade Department of Regulatory and Economic Resources, and the North Bay Village Building Department. The report will be used by the village to develop new codes for seawalls throughout the village as part of its ongoing resiliency planning by adapting to rising sea levels.

moffatt & nichol

The Wharf at the Southwest Waterfront

Washington, D.C.

CLIENT/OWNER
Hoffman & Associates

DESIGN START DATE
04/2007

DESIGN END DATE
12/2020

CONTRACT VALUE
$10 million

CONSTRUCTION VALUE
$120 million



Completed On Time & On Budget

PROJECT OVERVIEW

The District of Columbia has taken a bold step to undo the legacy of urban renewal along the Washington Channel and recreate the Southwest Waterfront as a vibrant destination where historical and local Washington meet. Known as “The Wharf,” the $2 billion development has reenvisioned 27 acres of land and 24 acres of water as a 3-million-square-foot mixed-use development that serves residential, retail, office, hotel, and public uses. It incorporates waterfront parks, promenades, piers, docks, and marinas, as well as homes, low-rise buildings, and parking.

As a key member of the development team, Moffatt & Nichol provided planning, permitting, market analysis, pro forma, grant application, above- and below-water structural inspections, and design services for all waterside elements. The waterside elements encompassed the seawall waterward and included repair of the existing seawall, constructed four new public piers, reconfigured two existing recreational marinas, and repaired and expanded the existing dinner cruise pier. A key project component was accommodation of the existing marinas’ tenants throughout construction; Moffatt & Nichol worked with the owner, marinas, and contractors to develop a transition plan to minimize disturbance to the marinas without impacting the construction schedule.

Moffatt & Nichol conducted an above- and below-water investigation of the existing seawall and piers at the project site. Coupled with review of available record documents, Moffatt & Nichol developed repair recommendations for the existing structures, considering the future use of the site. Additionally, the seawall repair design incorporated its use as a construction platform during landside excavation and construction operations.

During the redevelopment project’s planning phases, it was noted that limited dockage was available in the District for visiting boaters. Considering the project’s close proximity to the many historical and recreational venues in the District, Moffatt & Nichol recommended integrating additional visitor dockages into the master plan. The plan incorporated both floating docks near the historical Fish

Market and moorings on the opposite bank to accommodate a wide variety of boats and docking/anchoring preferences. Throughout the design and permitting phases, Moffatt & Nichol met with project stakeholders and regulatory agencies to present the concepts and project goals and address concerns.

As part of a global alternative funding source investigation, Moffatt & Nichol identified grants for which the project's waterside elements qualified, including the Boating Infrastructure Grant Program (BIGP), Clean Vessel Act (CVA) Grant Program, Boating Access Grant (BAG) Program, Transportation Alternatives Program, National Park Service's Chesapeake Bay Grant Program, and the Transportation Investment Generating Economic Recovery Program. Moffatt & Nichol prepared three BIGP applications for the Day Docks (Tier 1 and Tier 2) and Mooring Field, one BAG application for the Hop Dock, and two CVA applications for purchase and operation of a pump-out vessel—all of which were awarded funding totaling over $1.9 million in grant funding.

Early in the design process, Moffatt & Nichol solicited input from local marine contractors and dock manufacturers for an external review of constructability and construction costs. Due to the need to maintain access and services to existing boats throughout construction and long lead time (over 3 months) for docks to arrive on-site from notice to proceed, Moffatt & Nichol evaluated the impacts to the overall construction schedule and alternatives to work around the existing boats. As a result, for the first phase of the work, it was determined that selection of a dock manufacturer prior to completing final construction documents for the floating docks would help streamline the construction schedule. In the same light, the client opted to initiate an early selection process for the fixed pier and landside contractors. This process allowed the development team and contractors the opportunity to coordinate the construction schedule and resolve construction-related issues prior to on-site mobilization. Moffatt & Nichol led the coordination effort among the development team and the three contractors for Phase 1; Phase 2 uses a similar process.

CHARLOTTE BURRIE CIVIC CENTER

Pompano Beach, FL

OWNER

City of Pompano Beach

CLIENT

Synalovski Romanik Saye

PROJECT DURATION

2015 - 2021

REFERENCE

Merrill Romanik
954-961-6806
mromanik@synalovski.com

KEITH PRACTICE LINE

Campus

FEE

$500,000 annually - CCNA limits

Completed On Time & On Budget







KEITH, under its continuing services contract with the city, and as subconsultant, assisted the Client in developing a KEITH Life/KEITH Campus project that includes 8,712-SF of multi-purpose spaces for civic, social, and recreational activities, lobby/pre-function area, reception, administrative offices, conference rooms, assembly hall accommodating 250, a fixed platform stage, kitchen, and storage, as well as easy pedestrian ADA-compliant access, a porte-cochère entrance, 48 vehicular and 20 bicycle parking spaces. KEITH provided full services to the Client including civil engineering, permitting, landscape architecture, and construction administration and coordination for the new LEED v4 certified building. The KEITH Team provided LEED templates, permitting, engineering plans including water and sewer, paving grading and drainage, signing and pavement marking, stormwater pollution prevention, bidding assistance, and construction observation. Landscape architecture services included tree inventory and appraisal, a tree disposition plan, landscape and irrigation plans, and landscape construction observation. The project gives residents and guests a beautiful gathering place for an array of community events.

FIRE AND EMERGENCY OPERATIONS CENTER

Pompano Beach, FL

OWNER

City of Pompano Beach

CLIENT

Synalovski Romanik Saye, LLC

PROJECT DURATION

2020 - 2025

REFERENCE

Merrill Romanik
Principal
954-961-6806
mromanik@synalovski.com

KEITH PRACTICE LINE

Facility

FEE

$160,635.00

Completed On Time & On Budget







KEITH assisted the Client, as subconsultant, in developing a KEITH Facility project that includes a new fire, rescue, and logistics complex to include administrative and emergency operations center, and a fire and EMS distribution center with storage for emergency apparatus. KEITH provided services to the Client including civil engineering, LEED consulting, survey, landscape architecture, and construction management. The project created a state-of-the-art facility in the Downtown Pompano Transit Oriented Corridor (DPTOC).

POMPANO BEACH PIER PARKING GARAGE

Pompano Beach, FL

OWNER

City of Pompano Beach

CLIENT

City of Pompano Beach

PROJECT DURATION

2014 - 2023

REFERENCE

Fernand Thony
GO Bond Director
954-786-4683
fernand.thony@copbfl.com

KEITH PRACTICE LINE

Facility

FEE

KEITH: $376,992.50

Completed On Time & On Budget





The Pompano Beach Pier Parking Garage is located at the southeast corner of North Ocean Blvd. (SR- A1A) and NE 3rd Street on a 3.5-acre site. The parking garage includes five stories, 662 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space on the ground level fronting NE 3rd Street and the new Pier Street. The Pompano Beach CRA has ambitious plans for the redevelopment of the area and the need for additional parking facilities in the beach area is critical for the future of this beach community. As part of the design-build team, led by Kaufman Lynn Construction, KEITH was responsible for planning, survey, utility coordination/investigation, civil engineering, landscape design, permitting, and construction inspection of the project. Our professional services included extensive community and municipal outreach, complete topographic and boundary surveying, utility investigation of all public and private utilities within and adjacent to the project limits, complete civil design to adequately provide water/fire/sanitary sewer service and stormwater management design/grading of the site to ensure compliance with recently changed federal/state and local criteria, full landscape and irrigation design, permitting through all jurisdictional agencies and construction inspection and certification services.

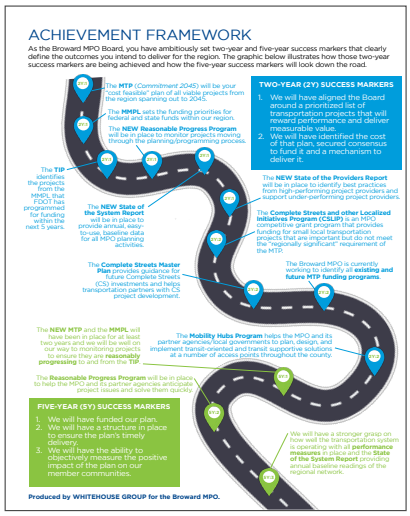
PROJECT SHEET

STRATEGIC BUSINESS PLAN

BROWARD MPO ADVANCING BOARD INITIATIVES

FORT LAUDERDALE, FLORIDA





CLIENT NAME:

Broward Metropolitan Planning Organization

OFFEROR:

Subconsultant

PROJECT RESULTS:

MRG staff led web and graphic design efforts for this project which mainly dealt with accomplishing strategic goals and tasks as directed by the Broward MPO Board. MRG assisted the Board by preparing several materials, including a transportation planning guidebook, strategic business plan, state of the system report and private sector funding documents. MRG designed documents that were easy-to-understand, visually engaging and provided all readers with the detail they needed to understand the MPO's planning process and, through that, its role in the community. Additionally, through this effort, MRG served as a public information resource to Broward MPO staff on a variety of programs and projects.

PROJECT DATES:

2015 – 2020

Completed On Time & On Budget

REFERENCE:

Peter Gies (954) 876-0033
100 West Cypress Creek Road, Suite 650 Fort Lauderdale, Florida 33309

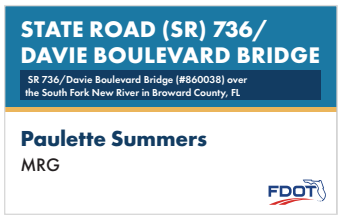
HBC

PROJECT SHEET



BRIDGE REHABILITATION PROJECT
SR 736/DAVIE BOULEVARD BRIDGE

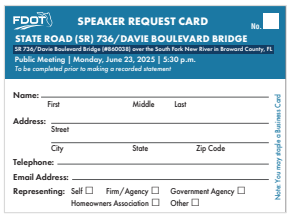
FORT LAUDERDALE, FLORIDA


STATE ROAD (SR) 736/
DAVIE BOULEVARD BRIDGE

SR 736/Davie Boulevard Bridge (#860038) over the South Fork New River in Broward County, FL

Paulette Summers
MRG

FDOT


FDOT SPEAKER REQUEST CARD

STATE ROAD (SR) 736/DAVIE BOULEVARD BRIDGE

SR 736/Davie Boulevard Bridge (#860038) over the South Fork New River in Broward County, FL

Public Meeting | Monday, June 23, 2025 | 5:30 p.m.

To be completed prior to making a recorded statement

Name: First Middle Last

Address: Street

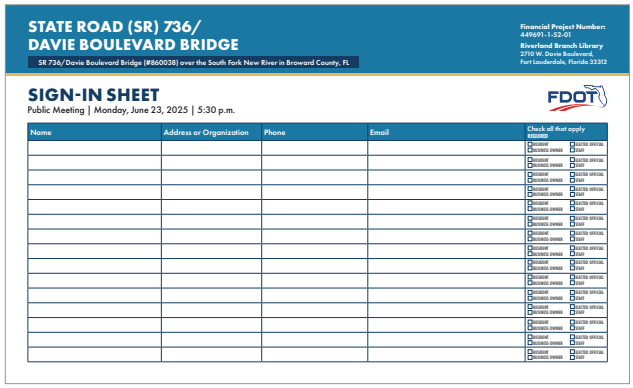
City State Zip Code

Telephone:

Email Address:

Representing: Self ☐ Firm/Agency ☐ Government Agency ☐ Homeowners Association ☐ Other ☐

Note: You may staple a Business Card


STATE ROAD (SR) 736/
DAVIE BOULEVARD BRIDGE

SR 736/Davie Boulevard Bridge (#860038) over the South Fork New River in Broward County, FL

Financial Project Number: 449691-1-52-01

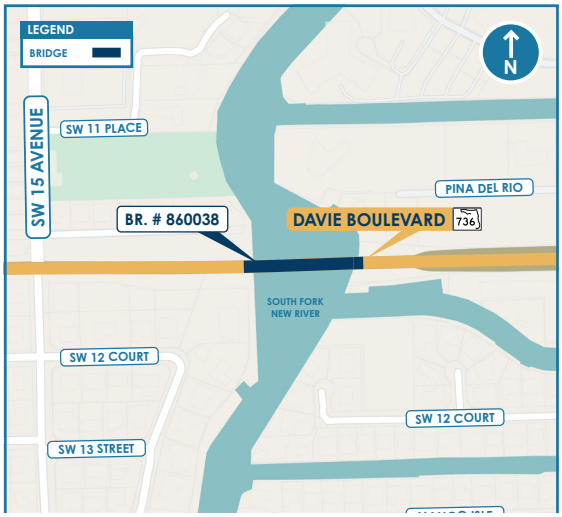
Riverland Branch Library
2710 W. Davie Boulevard,
Fort Lauderdale, Florida 33312

FDOT

SIGN-IN SHEET

Public Meeting | Monday, June 23, 2025 | 5:30 p.m.

Name	Address or Organization	Phone	Email	Check all that apply



PROJECT DESCRIPTION

This project supports the Florida Department of Transportation's efforts to rehabilitate Bridge No. 860038 (SR 736/Davie Boulevard) over the South Fork of the New River in Fort Lauderdale, Broward County. As part of the project team, Media Relations Group, LLC is leading community outreach and public involvement efforts. Responsibilities include developing and submitting a Community Awareness Plan, preparing public meeting notices and materials, coordinating logistics for both in-person and virtual meetings, managing stakeholder communications, and providing website content updates. These services are designed to ensure effective public engagement throughout the design and construction phases.

AGENCY NAME

Florida Department of Transportation (FDOT) District Four

AGENCY CONTACT

Mr. Vamsee Tirunagari, P.E.
FDOT Project Manager

CONTACT TELEPHONE & EMAIL

Phone: (954) 777-4061
Email: Vamsee.Tirunagari@dot.state.fl.us

YEAR(S)

October 2023 - Present **Completed On Time & On Budget**

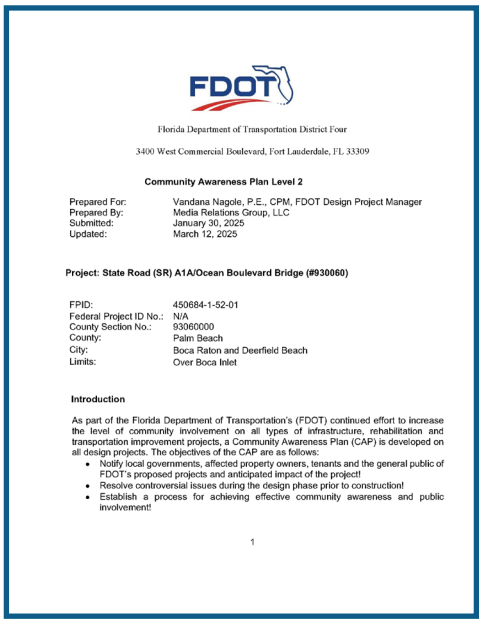
HBC

PROJECT SHEET



STATE ROAD (SR) A1A/OCEAN BOULEVARD BRIDGE (#930060)

BOCA RATON AND DEERFIELD BEACH, FL



FDOT

Florida Department of Transportation District Four

3400 West Commercial Boulevard, Fort Lauderdale, FL 33309

Community Awareness Plan Level 2

Prepared For: Vandana Nagole, P.E., CPM, FDOT Design Project Manager
Prepared By: Media Relations Group, LLC
Submitted: January 30, 2025
Updated: March 12, 2025

Project: State Road (SR) A1A/Ocean Boulevard Bridge (#930060)

FPID: 450684-1-52-01
Federal Project ID No.: N/A
County Section No.: 93060000
County: Palm Beach
City: Boca Raton and Deerfield Beach
Limits: Over Boca Inlet

Introduction

As part of the Florida Department of Transportation's (FDOT) continued effort to increase the level of community involvement on all types of infrastructure, rehabilitation and transportation improvement projects, a Community Awareness Plan (CAP) is developed on all design projects. The objectives of the CAP are as follows:

- Notify local governments, affected property owners, tenants and the general public of FDOT's proposed projects and anticipated impact of the project!
- Resolve controversial issues during the design phase prior to construction!
- Establish a process for achieving effective community awareness and public involvement!

1



PROJECT DESCRIPTION

The intent of this project is to extend the service life of the bridge by performing repair and rehabilitation, and to enhance roadway safety along SR A1A/Ocean Boulevard Bridge over the Boca Inlet. As part of the project team, Media Relations Group, LLC is leading community outreach and public involvement efforts. Responsibilities include developing and submitting a Community Awareness Plan, preparing public meeting notices and materials, coordinating logistics for both in-person and virtual meetings, managing stakeholder communications, and providing website content updates. These services are designed to ensure effective public engagement throughout the design and construction phases.

AGENCY NAME

Florida Department of Transportation (FDOT) District Four

AGENCY CONTACT

Vandana Nagole, P.E., CEM
FDOT Design Project Manager

CONTACT TELEPHONE & EMAIL

Phone: (954) 777-4281
Email: Vandana.Nagole@dot.state.fl.us

YEAR(S)

2024 - Present

Completed On Time & On Budget

PROJECT SHEET

FDOT DISTRICT FOUR I-595 CORRIDOR IMPROVEMENTS DESIGN/BUILD/OPERATE/ FINANCE/MAINTAIN (DBFOM) PROJECT

BROWARD COUNTY, FL





PROJECT DESCRIPTION

This interchange reconstruction project, where the north-south State Route (S.R.) 826 (Palmetto Expressway) intersects the tolled east-west S.R. 836 (Dolphin Expressway) at the southwest corner of Miami International Airport, is the last component of the 12-part Palmetto Expressway Improvement Program. This program, which began construction in the mid-1990s, consisted of widening, bridge replacement, and geometric improvements along the existing 16-mile corridor extending from S.R. 5/U.S. 1 in south Miami-Dade County to just north of NW 154 Street in northern Miami-Dade County. Each of the interchanges along the corridor was improved to enhance safety and traffic flow.

The S.R. 826/S.R. 836 interchange handles over 430,000 vehicles daily and required reconstruction to enhance safety and reduce congestion.

AGENCY NAME

FDOT District Four

AGENCY CONTACT

Paul Lampley, P.E., Former Project Manager, FDOT

Phone: 954-732-0644

Email: paul.lampley@dot.state.fl.us

YEAR(S)

2012 - 2016 **Completed On Time & On Budget**



RESUMES OF KEY PERSONNEL

Adebayo Coker, PE

Principle-In-Charge



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
NEPA & Transportation Decision Making Process by NHI: (Sept. 2007)

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 skilled transportation engineer with responsible and diversified experience in the planning, design, and construction management of major Florida Department of Transportation (FDOT) and Miami-Dade County transportation projects. His areas of expertise involve the production and management of all phases of roadway design projects, including preliminary and final design of limited/controlled access highways and freeways, signalization, signing and pavement markings, Maintenance of Traffic (MOT), rural and urban Resurfacing, Restoration, and Rehabilitation (RRR) projects, and Construction Engineering and Inspection (CEI). He has provided technical leadership on various public and private sector projects and has taken numerous projects from the planning phase through design, construction, and post-design services. He has also been responsible for coordination with clients, subconsultants, permitting agencies, and between project disciplines, as well as the implementation of effective Quality Assurance/Quality Control (QA/QC) plans and the supervision of project personnel on major projects.

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements from Orange Dr to NW 31st Ave LAP - Task 2. Project Manager for the this project that enhances pedestrian and bicycle connectivity along SR-7, providing safer and more accessible pathways. A 6-foot sidewalk will be installed, while an 8-12-foot shared-use path will connect Oakes Rd. to Greenway Park and Riverland Wood Park. Additionally, a 10-foot shared-use path is planned linking residential areas and parks. Also included in the services to ensure safety are signing and pavement markings and high-emphasis crosswalks with lighting. Signalization upgrades include push-button countdowns at key intersections along SR-7, pedestrian detection enhancements, and a midblock Rectangular Rapid Flashing Beacons (RRFB) crossing. This project also incorporates effective drainage solutions, including culvert crossings under, with additional flumes and curb inlets along SR-7. Pedestrian-focused lighting will illuminate key crosswalks crossings. Landscaping improvements, including selective clearing, grubbing, and a tree disposition plan, will revitalize certain areas. *Location: Broward County, FL. Dates: 4/2023-3/2025. Reference: Robert Lopes, PE. (954) 777-4425, robert.lopes@dot.state.fl.us. FM No.: 429576-3-52-01.*

Florida Department of Transportation (FDOT) District 4, SW 30th Ave Widening from Griffin Rd to SW 45th St RRR LAP. Project Manager for this Resurfacing, Restoration, and Rehabilitation (RRR) project, which included designing for ADA compliance, widening to add sidewalk, lighting, minor drainage adjustments, MOT, extensive utility coordination, signalization improvements, new signalization loops and assemblies, signal heads, pedestrian heads and detectors, sign panels including internally illuminated signs, traffic controller assemblies, and new mast arms. The existing traffic controllers were modified with new concrete poles and aluminum pedestals. *Location: Broward County, FL. Dates: 08/2014-07/2019. Reference: Brent Lee-Shue-Ling, PE,*

(954) 777-4075, brent.lee-shue-ling@dot.state.fl.us. Contract Amount: $673,835.22. Contract No.: C9D49. FM No.: 431757-1-32-01.

Florida Department of Transportation (FDOT) District 4, SR-858/Hallandale Beach Blvd from SR-7/US-441 to Lakeshore Dr. Project Manager responsible for providing the engineering services for this Resurfacing, Restoration, and Rehabilitation (3R) project. Adebayo was also responsible for performing the project management duties required to control the project, which included paying close attention to quality, schedule, and budget, as well as conducting internal meetings with key project staff for the duration of the project. *Location: Broward County, FL. Dates: 02/2013–02/2019. Reference: Jim Hughes, PE, (954) 777-4419, james.hughes@dot.state.fl.us. Contract Amount: $971,018.78. Contract No.: BDS12. FM Nos.: 428733-1-32-01 & 428733-1-62-01.*

Florida Department of Transportation (FDOT) District 4, I-595 Corridor Roadway Improvements Public-Private Partnership (PPP). Project Manager responsible for performing the interdisciplinary coordination of structural, geotechnical, utilities, drainage, Maintenance of Traffic (MOT), Subsurface Utility Engineering (SUE), and surveying for this Public-Private Partnership (PPP) project, which extends from I-75 to I-95. The project length was approximately 14 miles. Adebayo reviewed engineering design plans for roadway, utilities, drainage, ITS, signalization, structures, lighting, and the Traffic Control Plan (TCP); coordinated and scheduled survey, geotechnical, Closed-Circuit Television (CCTV) cameras, and SUE field activities; oversaw project scheduling, cost estimate, weekly design meeting, permits, landscaping, roadway, ITS, geotechnical reports, miscellaneous structures, bridge, and emergency access gate design; reviewed power design plan submittal packages; attended meetings with local municipalities and permitting agencies to present project and report status; organized public involvement activities; and managed personnel from all disciplines. *Location: Broward County, FL. Dates: 04/04/2009-10/31/2014. Reference: Rey Rivas, PE, (305) 594-0457, rey.rivas@aecom.com. Contract Amount: $1.5B. FM No.: 420809-3-52-01.*

Florida Department of Transportation (FDOT) District 4, SR-817/University Dr Widening from Nova Dr to SR-84. Project Manager and Engineer of Record for the safety and operational analysis for 3 different concepts along SR-817/University Drive from Nova Drive to SR-84. Traffic forecasting was also conducted using the historical Annual Average Daily Traffic (AADT) data and the Southeast Florida Regional Planning Model (SERPM). 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: 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.*

City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets PD&E Study. Project Manager and Engineer of Record is responsible for evaluating alternatives for reconstructing Johnston Street from North 30th Road to North Dixie Highway, to accommodate new interconnected sidewalk on one side of the street, new lighting, new drainage system, new transit bus stops, and a fully reconstructed two-lane, two-way roadway with a center turn lane, within the existing 40’ Right of Way (ROW). This project is funded and developed by the City of Hollywood and Broward County Mobility Advancement Program (MAP) in collaboration with Broward County, Florida Department of Transportation (FDOT), and Rapid Transit Authority (RTA). This project’s main objective is to transform the Johnson Street corridor into a Complete Street, by providing mobility for all kinds of transportation. *Location: Hollywood, FL. Dates: 03/2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3251, llopez@hollywoodfl.org. Contract Amount: $150K. Contract No.: HOLL-038.*

Sreelatha Nandivada, MS, PE

Project Manager



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)

PE (CT)PEN.0028382

(05/16/2014)

Also PE in 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

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.

Seminole Tribe of Florida (STOF), Hollywood Seminole Indian Reservation Pedestrian Bridge. Senior Structural Engineer leading the design of a 150' wide pedestrian bridge with stairs and elevators to improve connectivity across SR-7 within the Hollywood Seminole Indian Reservation. Scope includes structural analysis of three bridge concepts, field investigations, and phased development of construction documents. Responsible for coordinating with STOF, FDOT, FHWA, and permitting agencies, preparing technical specifications, and supporting bid-phase services. Also contributed to roadway plan development, including typical sections, cross-sections, and signing and marking plans. *Location: Hollywood, FL. Dates: 03/2025-Ongoing. HBC Fee: $2.3M. Reference: Omar Nunez, osenunez@semtribe.com (954) 894-1060.Contract No. 380349.*

***North Carolina Department of Transportation (NCDOT), BR-0073 Columbus 5 US 76 Over Gapway Swamp.** Senior Structural Engineer responsible for leading the complete structural design of a three-span, 45-inch-deep AASHTO Type IV prestressed concrete girder bridge for the replacement of Bridge No. 230005 with Bridge No. 73 on US 76 over Gapway Swamp in Columbus County, North Carolina. Scope included superstructure and substructure design in compliance with AASHTO LRFD and NCDOT design criteria, including girder selection and geometry, deck reinforcement, Winwall design, approach slabs, integral end bents, intermediate multi-column bents, and HP 12x53 pipe pile foundations with buckling analysis. Performed detailed structural analysis using LEAP Bridge Concrete, addressed wind and seismic requirements, and conducted load rating analysis for legal and permit vehicles per NCDOT guidelines. Oversaw development of structural plans, specifications, and quantities for all bridge components and ensured full coordination with roadway, drainage, and utility designs. Led QA/QC reviews of structural calculations and drawings, coordinated with CAD technicians, and served as the primary technical point of contact during

Sreelatha Nandivada, MS, PE

design and construction phases. Duties included constructability reviews, erection staging, and responding to RFIs. *Location: NC. Dates: 10/2021-1/2024. Fees: 163K. Construction Cost: 4.5M. Reference: Emily Murray, emily.murray@volkert.com*

***Texas Department of Transportation (TXDOT), IH-10 at US69 Interchange, 12-Span Prestress Girder Bridge (Bridge X) on IH-10 WBML Overpass at 11th Street.** Bridge Structural Engineer responsible for the full structural design of a 12-span prestressed girder bridge, including varying girder depths, spacing, diaphragms, and deck geometry per AASHTO LRFD and TxDOT standards. Performed superstructure analysis using PG Super, accounting for staged construction, live load distribution, and abutment behavior. Designed substructure components, including pile-supported abutments and cast-in-place multi-column bents, using LEAP Bridge. Evaluated seismic, thermal, and lateral load demands. Developed construction plans for four-stage construction, conducted constructability reviews, and performed load ratings for legal and permit vehicles. *Location: Beaumont, TX. Dates: 03/2023-02/2024*

***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. Fees: 198K. Construction Cost: 2.5M. Reference: Eric E. Schroeter, (314) 781-7770, tnugent@cdgengineers.com.*

LARS
BRASS 2.0.3
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 evaluations, coastal infrastructure, bridge design, load rating, foundations, miscellaneous structures

*** Prior to HBC**

***North Carolina Department of Transportation (NCDOT), Replacement of Bridge No. 76 on SR 1436 (Pinebrook School Rd BR-0152).** 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: Davie County, NC. Dates: 1/2022-12/2023.*

***Replacement of Bridge 241 on Sr-3011 (Old Salisbury Rd) over South Fork Muddy Creek.** Sree was the design engineer for three-span prestressed concrete girder link slab superstructure with F-Shape barrier rails utilizing an off-site detour to replace the existing bridge. It is anticipated, and man days reflect, that spill through pile end bents and interior bents on piles or drilled piers will be utilized. Sreelatha was responsible in providing a preliminary general drawing for the project, final structure plans, and bid documents (including Project Special Provisions, Engineer's estimate, and Working Days) for the structure, Evaluation of accelerated construction techniques but not for incorporating accelerated construction techniques into the design and plans. *Location: Forsyth County, NC. Dates: 08/2021-01/2022. Reference: Emily M. Murray (PM - Volkert, Inc.), (919) 854-034, emily.murray@volkert.com*

Sonny Abia, PhD, PE

QA/QC Manager | Utility Coordination | Permitting



35 Years of Experience

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**

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 involves pavement widening to accommodate a proposed auxiliary lane from NW 23rd Street, connecting to the westbound I-595 ramp, and the relocation of existing drainage structures, overhead signs, a mast arm, and utility poles. Additionally, the project includes the reconfiguration of the bus stop bay at the northeast corner of SW 24th Street/Nova Drive and University Drive, as well as the reconfiguration of right-turn lanes for the Royal Grand community, PNC Bank, and SW 24th Street/Nova Drive. Dr. Abia's responsibilities include Utility Coordination and QA/QC reviews to ensure all design aspects meet required standards. This project also covers pavement widening, relocation of critical infrastructure, and lane reconfigurations to improve 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. QA/QC Reviewer and Utility Coordinator for the SR-7/US-441 Transit Corridor Improvements Project, developed under two separate tasks to enhance pedestrian safety, multimodal connectivity, and corridor infrastructure. Responsibilities included design computation reviews, utility conflict resolution, and coordination with agency stakeholders to ensure compliance and constructability.

- **Task 1:** Involved intersection lighting retrofits, ADA-compliant sidewalk upgrades, and pedestrian safety enhancements from the Broward/ Miami-Dade County Line to north of Sample Road. Work included improvements at intersections such as Pembroke Road, Davie Boulevard, and NW 24th to NW 44th Streets, as well as bike lane upgrades from Southgate Boulevard to Cypress Creek Canal Bridge. *Location: Broward County, FL. Dates: 2018–2021. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

- **Task 2:** Included construction of shared-use paths along SR-7/US-441, with connections to the New River Greenway and two pedestrian underpasses at the I-595 ramps. Additional improvements included sidewalk construction from Orange Drive to Oakes Road. Activities encompassed plan reviews, drainage and signalization coordination, and utility alignment verification to support infrastructure integration. *Location: Broward County, FL. Dates: 2017–2023. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

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. *Location: Doral, FL. Dates: 2022 - Ongoing. Contract Amount: $1M.*

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. QA/QC Reviewer and Chief Utility Coordination for this design-build project that involves the reconstruction of NE 2nd Avenue from NE 20th Street to NE 36th Street and includes roadway reconstruction, new storm sewer system, sidewalks, curb and gutter, on-street parking, Signing and Pavement Marking (S&PM), signalization, decorative lighting, landscaping, and water main installation and all appurtenances. *Location: Miami-Dade County, FL. Dates: 2022-Ongoing. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Florida's Turnpike Enterprise (FTE), Wrong-Way Vehicle Detection System (WWVDS) Implementation Design-Build. This project involved the design and implementation of 41 WWVDSs covering 48 exit ramps along SR-821/HEFT, SR-91/Florida's Turnpike, and SR-869/Sawgrass Expressway in Miami-Dade, Broward, and Palm Beach Counties. This project also included the design and implementation of signs, pavement markings, and signal detection systems along exit ramps to detect wrong-way vehicular traffic. Dr. Abia was responsible for performing Quality Assurance/Quality Control (QA/QC) reviews and utility coordination for this project. *Locations: Miami-Dade, Broward, & Palm Beach Counties, FL. Dates: 2019. Reference: Jasmi Alemany, PE, (407) 264-3068, jasmi.alemany@dot.state.fl.us*

City of Miami, Fire-Rescue Station 5. Structural Engineer responsible for preparing design plans for the structural beam modification required to accommodate fire truck clearance at the City of Miami Fire-Rescue Station 5 located at 1200 NW 20th Street in Miami, FL. This project involved cutting the existing concrete beam and reinforcing it with steel plates to maintain structural integrity and ensure compliance with safety and load-bearing requirements. Dr. Abia reviewed the structural analysis of the existing beam and the modified beam with the added steel plates to supplement the reduced concrete section and remaining reinforcement. The plans were approved by the City of Miami Building Department. *Location: Miami-Dade County, FL. Dates: 2019-2020.*

Christopher Soto, PE, RSO

Constructability Reviewer | Senior Project Engineer



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 Soto, PE, RSO is an experienced Constructability Reviewer specializing in Construction Engineering and Inspection (CEI) for roadway, bridge, and infrastructure projects. With a strong background in contract administration and compliance, he has played a key role in evaluating project designs for feasibility, cost-effectiveness, and constructability, ensuring seamless execution from planning to completion. Christopher has worked extensively with FDOT, municipalities, and government agencies, overseeing critical infrastructure improvements, including stormwater systems, utility relocations, and multimodal transportation enhancements. His expertise spans permit coordination, shop drawing reviews, and optimizing construction methodologies to minimize disruptions while maintaining safety and quality standards. Certified in FDOT Advanced MOT and various construction inspection disciplines, Christopher is committed to delivering efficient, regulatory-compliant solutions that enhance transportation networks and community infrastructure.

Florida Department of Transportation (FDOT) District 4, CEI Contract for Various Locations along Boynton Beach Boulevard. Sr. Project Engineer for this contract. He manages all project documentation, including photo documentation, quantity reviews, PrC, and MAC. The scope of work under this contract includes multiple improvements such as Maintenance of Traffic (MOT) using standard, special, and traffic control officers; erosion control measures like sediment barriers and inlet protection; concrete removal and installation of gravity walls, curbs, gutters, sidewalks, and driveways; asphalt work including milling, base installation, Superpave, and friction course application; lighting upgrades involving luminaires; pavement markings for detectable surfaces, painted surfaces, and bike lanes; signalization involving signal cables, aluminum poles, signal auxiliaries, vehicular and pedestrian signal detection, loop detectors, and loop assemblies; signing work including single-post, raised, painted, and thermoplastic markings, along with “sharrow” and bike lane markings; traffic monitoring involving sensors, loops, and cabinets; and utility adjustments for manholes, valve meter boxes, conduit, and pull/splice boxes. The project spans 0.659 miles along State Road 804 (Boynton Beach Boulevard) from NW 3rd Street to US-1/Federal Highway in Boynton Beach, Palm Beach County, Florida. *Location: Boynton Beach, FL. Dates: 5/2024–Ongoing. HBC Fee: $7.1M. Reference: Woodler Blaise, CSM, (772) 579-2553, woodler.blaise@dot.state.fl.us. FM No.: 444079-1-52-01 (T4651). FA# D423036B (CAQ66).*

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

Christopher Soto, PE, RSO

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**

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.*

CTQP Training History Report

Report for: Christopher Soto
Trainee ID: 51363
TIN: S30010689****
Email: C***O@HBCENGINEERINGCO.COM
Report Date: 11/10/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	2007143	2020-11-30	2025-11-30
Asphalt Paving Level 2	3004946	2020-12-10	2025-12-10
Concrete Field Technician Level 1	3013284	2022-06-22	2026-05-14
Earthwork Construction Inspection Level 2	3004947	2020-11-21	2025-11-21
QC Manager	3036516	2025-01-17	2099-01-01

Pending Qualifications

Qualification Name
Drilled Shaft Inspection

Expired Qualifications

Qualification Name	Certificate Number	Valid from	Expired on
Asphalt Paving Level 1	N/A	2013-11-18	2018-11-18
Concrete Field Technician Level 1	N/A	2013-12-07	2018-12-07
Earthwork Construction Inspection Level 1	N/A	2014-02-03	2019-02-03
Earthwork Construction Inspection Level 1	2006594	2020-11-07	2025-11-07
Final Estimates Level 1	N/A	2014-03-05	2019-03-05
Final Estimates Level 1	2006304	2020-10-24	2025-10-24
Final Estimates Level 2	2006595	2020-11-07	2025-11-07
Pile Driving Inspection	N/A	2014-05-10	2019-05-10

Requirements

Requirement Name	Result	Valid from	Expired on
30 Days Experience on a Construction Project Involving Earthwork Operations	MET	1900-01-01	2099-01-01
90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	2021-05-14	2026-05-14
Asphalt Paving - Level 1 - Proficiency Exam	MET	2013-11-18	2018-11-18
Asphalt Paving - Level 1 - Proficiency Exam	MET	2020-11-30	2025-11-30
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2013-11-18	2018-11-18
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2020-11-30	2025-11-30
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2020-12-10	2025-12-10
Drilled Shaft Inspection - Proficiency Exam	MET	2014-12-06	2019-12-06
Drilled Shaft Inspection - Written Exam Requirement	FAIL	2014-12-06	2019-12-06
Drilled Shaft Inspection - Written Exam Requirement	PASS	2021-01-23	2026-01-23
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2014-02-03	2019-02-03
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2020-12-08	2025-12-08
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2014-02-03	2019-02-03
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2020-11-21	2025-11-21
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2014-02-21	2019-02-21
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2022-06-22	2027-06-22
Final Estimates - Level 1 - Written Exam Requirement	PASS	2014-03-05	2019-03-05
Final Estimates - Level 1 - Written Exam Requirement	PASS	2020-10-24	2025-10-24
Final Estimates - Level 2 - Written Exam Requirement	PASS	2020-11-07	2020-11-07
Monitored 15 Driven Piles, at least 10 Piles driven with Open Diesel Hammers	MET	1900-01-01	2099-01-01
Nuclear Radiation Safety Certificate	MET	1900-01-01	2099-01-01
Pile Driving Inspection - Written Exam Requirement	PASS	2014-05-10	2019-05-10

QC Manager - Written Exam Requirement	PASS	2025-01-17	2030-01-17

Roberto Rubio, MS, PE

Structural/Bridge/Misc Structures



35 Years of Experience

Years with HBC
2 years

Education
M.S. in Civil Engineering, University of Washington (1987)

Registration(s)
PE (FL) No. 48982 (02/21/1995)

Expertise
Bridge design, structural engineering, construction support, inspection services, marine structures, foundation systems, retaining walls, miscellaneous structures, drainage coordination, roadway elements.

Before joining HBC Engineering Company, Roberto worked with FDOT District 4 as a Consultant Project Manager and has been involved in numerous projects in South Florida. His experience includes duties as an Engineer of Record, Inspector, Quality Control personnel, Lead Structures Design Engineer and Post Design Services. He provided Construction Support Services as a Structural Engineer where he developed repair procedures for prestressed Florida I beams damaged during transportation and installation on bridges, based on applicable FDOT specifications and the PCI Journal. Mr. Rubio was a past Consultant Project Manager for the FDOT District 4.

Florida Department of Transportation (FDOT) District 4, SR 7 / US 441 Transit Corridor Improvements. Preliminary design of retaining walls along proposed shared use path at the intersection of I-595 and SR 7 and ramps, in coordination with the geotechnical consultant; upgrades to guardrail transitions and attachment to bridge traffic railings. *Location: Broward County, FL. Dates: 2018 - Ongoing. Reference: Robert Lopes, PE, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*

Florida's Turnpike Enterprise (FTE), Wrong Way Vehicle Detection System Implementation. Structural design of non-standard wrong way sign poles and foundation versus Indexes 700-010 and 700-120 and reports to the Florida Turnpike. Structural analysis of existing overhead sign structures with the addition of wrong way signs. Structural analysis of concrete barrier mounted WW signs versus Index 700-012. Secured data from Tapco, manufacturer of electronic sign equipment. Use of FDOT Drilled Shaft, Single Post, and Overhead Span Sign programs. *Location: Miami-Dade, Broward, Palm Beach Counties, FL. Dates: 2021-Ongoing. Reference: Jasmi Alemani, PE, (407) 334-8035 jasmi.alemany@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, SR 862 / Eller Dr. from US-1 to Macintosh Rd: Eller Dr. Overpass, New Bridges No. 860644 (Left) and 860645 (Right). Engineer of Record/Post Design Services. New Intermodal Container Transfer Facility (ICTF) rail yard in Port Everglades. Responsible for designing the relocation of two piers to clear a new 10" dia. steel gas pipe servicing Port Everglades. Piers 7 (left bridge) and 8 (right bridge) where spread apart to provide a minimum 10ft clearance to the new gas pipe and changed from a prestressed pile group in the original design to a final drilled shaft group design. This effort included redesign of the four affected composite structural steel spans using MDX software. Additional duties included retrofit of precast culvert end wall to fit a larger pipe (from a 5ft dia. to a 7ft.dia pipe), and review and approval of the pier construction sequence. *Location: Fort Lauderdale, FL. Dates: 3/2013-6/2013. Reference: Henry Oaikhena, (954)777-4445, Henry.Oaikhena@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 6, I-95/SR 9A, Pavement Reconstruction from North of NW 29th St. to South of NW 131st St. Structural Engineer/Subconsultant to Engineer of Record. Removal of bridge deck overhangs and replacement with upgraded bridge railings in bridges within the I-95/I-395 interchange, including some median barrier upgrades; Complete approach slab reconstruction with barrier upgrades in said bridges to match pavement reconstruction on the approach roadways; and Replacement of overhead span and cantilever truss sign structures. The improvements were needed in response to the increase truck traffic using the

nearby Port of Miami tunnel. Responsible for 60%, 90% and 100% phase review of plans, design calculations and shop drawings involving all the above mentioned bridges. *Location: Miami-Dade County, FL. Dates: 2017-2019. Reference: Krishna Sandepudi, (813) 972-9444, KSandepudi@tylin.com.*

Florida Department of Transportation (FDOT) District 6, HEFT II Florida Turnpike from Sunset Dr. to Bird Rd., Bridges 2 and 5. Structural Engineer. Construction Support Services for Florida Concrete Products, LLC. The services I was entrusted with included development of repair procedures for prestressed Florida I beams damaged during transportation and installation onto bridges, based on applicable FDOT specifications and the PCI Journal. Repairs included spall patches, crack sealing and epoxy injection of cracks, to prevent further damages and ensure the design load capacity of the beams was not reduced. *Location: Miami-Dade County, FL. Dates: 2017-2018. Reference: Carlos Chaparro, (305) 541-0000, CChaparro@fcp.com.*

Florida Department of Transportation (FDOT) District 6, SR 916 (Dixie Hwy.) and NW 135th St. Over Biscayne Canal. Design team member for Engineer of Record. Safety project including minor repairs to bridge over Biscayne Canal C-8, milling and resurfacing, drainage improvements, and reconstruction of curb and gutter, sidewalk, and sidewalk pedestrian ramps. Responsible for the design of permanent steel sheet piling for stabilization of the canal, including end walls for two 5ft diameter culvert pipes, and protection for existing utilities including a fiber optic cable duct bank. Responsible for QC of bridge repair plans and calculations. The bridge is a four span precast slab multibeam bridge carrying five lanes of traffic. Repairs included shear key and post tensioning replacement. Contributed to roadway resurfacing design, specifically the pavement build-up scheme to correct cross slopes and improve drainage. *Location: Miami Dade County, FL. Dates: 4/2015-9/2015. Reference: Ali Toghiani, (305) 567-1888, AToghiani@tylin.com.*

Florida Department of Transportation (FDOT) District 6, New Scenic Pedestrian Bridge Across SR 5 (US-1), Between Ponce de Leon Blvd. and Douglas Rd., Safety Project. Engineer of Record. Safety project: Realignment of SR 5 to improve visibility and reduce ponding. Responsible for the design of a steel truss pedestrian bridge superstructure to replace the existing structure, and replacement of the access piers in kind at a different location within the project limits. Prepared the Bridge Development Report. Helped a junior engineer with the implementation of MIDAS structural software, Civil/Bridge module, for design of the superstructure and substructure. The piers were located so as to prevent conflicts with existing utilities. Contributed to roadway drainage design including new inlets along the entire project. *Location: Miami, FL. Dates: 2014-2015. Reference: Ali Toghiani, (305) 567-1888, AToghiani@tylin.com.*

US Army Corps of Engineers Hurricane Protection Office, New Orleans Inner Harbor Navigation Channel (IHNC), Hurricane Risk Reduction Project. Lead structural engineer, Engineer of Record. New two mile long Lake Borgne surcharge protection barrier, from the Gulf Intracoastal Waterway (GIWW) to the Mississippi River Gulf Outlet (MRGO). The barrier was conceived after the experience with Hurricane Katrina. Responsible for the design of the pivot structure for the new 150ft long navigational swing gate at the GIWW. The swing gate is the backup gate for the main sector gate designed by others. The reinforced concrete pivot column and steel pivot arm, with their embedded mechanisms, are designed to accommodate all six nautical motions of the floating swing gate they are connected to. Responsible for design of the support pier for the swing gate in the open position, a vehicular access to the gate, and other ancillary structures such as staircases and platforms. In charge of QC for design of the massive reinforced concrete pad resting on over 300 piles to support the swing gate in the closed position. Supervised junior personnel and draft persons, and prepared specifications package. *Location: New Orleans, LA. Dates: 2008-2009. Reference: Lt. Col. Victor Zillmer,*

Bunrith Heng, MS, PE

Structural/Bridge/Misc 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 the structural design of buildings, 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 maintained the operation until the end of 2013. AWEC had been providing civil engineering, surveying, and construction management services to many major companies and organizations, 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 been contracted to work as an independent structural engineering firm in the United States Embassy compound buildings, Cambodian Mekong University construction project, and many more construction projects involving buildings and bridges.

Florida Department of Transportation (FDOT) District 4, : Boca Rio Road from Paletto Park to Glades Road. Structural Engineer responsible for the design of nine mast arms utilizing FDOT Mast Arm Design Spreadsheet v1.7 and preparing corresponding standard mast arm tables. Reviewed and interpreted geotechnical reports to verify that soil parameters met the design assumptions within the analysis model. Selected drilled shaft foundations in accordance with design results and geotechnical recommendations to ensure structural stability and compliance with FDOT standards. *Location: Palm Beach, FL. Dates: 04-2025-Ongoing. Contract No.: 2021502. Reference: Jonathan De Laura, (561) 684-4013, jdelaura@pbc.gov*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements. Structural Engineer responsible for sheet pile analysis and design, geotechnical report review, and coordination of foundation recommendations. Performed structural calculations and drawings per FDOT and AASHTO standards and conducted QA/QC reviews to ensure accuracy, compliance, and constructability.*Location: Broward County, FL. Dates: 07/2025-Ongoing.FM No.: 429576-3-52-01. Reference: Robert Lopes, PE, (954) 777-4425, Robert.Lopes@dot.state.fl.us*.

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. The 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, proposing structural solutions, designing the building's steel and reinforced concrete structural elements, performing foundation analysis and design with SAFE, producing and requesting drawings as lead drafter, and coordinating with the architect and other

related design disciplines. *Location: Ponce, Puerto Rico. Dates: 4/2022 - 6/2022. Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***Disney Enterprises, Inc., Lighthouse Point Project.** Senior structural engineer responsible for the structural analysis and design of a one-story masonry and wood building, concrete foundation analysis and design, concrete columns and beams design, and producing and requesting drawings as lead drafter. *Location: Bahamas. Dates: 4/2022 - 6/2022. Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***University of Florida, Archer Place Condominiums Phases 1 and 2.** Senior structural engineer for the structural analysis and design of two 7-story buildings with reinforced concrete and masonry walls and hollow core plank slab. Bunrith was responsible for pile foundation and reinforced concrete transferred beam design and producing and requesting drawings as lead drafter. *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 the structural analysis and design of a 4-story 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, and producing and requesting drawings as lead drafter. *Location: Ft. Walton Beach, FL. Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***Nestor J. Ruiz, Tru by Hilton Hotels.** Senior structural engineer for the structural analysis and design of an 8-story post-tensioned concrete slab building with elevated car park. The tasks included performing structural analysis, building irregularity check, and seismic analysis; designing concrete shear walls and columns using ETABS, initial post-tension design to provide data for post-tension to 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, and producing and requesting drawings as lead drafter. *Location: Condado, Puerto Rico.*

***The Jay Odom Group, Element Hotel by Westin.** The 5-story Element Hotel by Westin involved two designed options: Concrete Masonry Unit (CMU) wall with post-tensioned slab or hollow core slab. The tasks included the structural modeling and structural analysis of the structure in ETABS, masonry shear wall design, initial design of post-tensioned 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, and producing and requesting drawings as lead drafter. *Location: Grand Lagoon, FL. Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

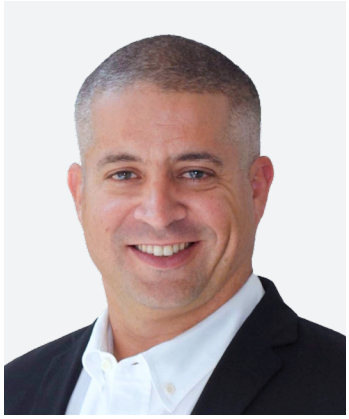
***Facility Management Administration, Disney Enterprises, Inc, Bridge Inspection.** Senior structural engineer for the field survey and condition assessment of bridges and producing assessment reports. *Locations: Disney LBV Golf, Magic Kingdom, Animal Kingdom, Typhoon Lagoon, Disney Springs, and Hollywood Studios, FL. Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***Universal Studios, Shallow Shark Tank Bridge Inspection.** Senior structural engineer for the field survey and condition assessment of bridges and producing assessment reports. *Location: Orlando, FL. Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

***SSA Marine Mexico, Port of Progreso Facility.** Senior structural engineer for the structural analysis and design of a 4-story building. The tasks included proposing initial framing plan and structural system for the building, and performing diaphragm analysis using Enercalc. *Location: Vero Beach, FL. Reference: Michael Pagliaro, (407) 909-8995, michael.pagliaro@celticengineering.com*

Hernan Lugo, MS, PE, CFM

Hydraulic Structures, Design, and Modeling | Drainage



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 (MDC), and other public agencies, overseeing drainage analysis, floodplain management, utility coordination, and permitting. His expertise includes developing stormwater solutions, conducting Hydrologic and Hydraulic (H&H) modeling, and ensuring regulatory compliance. A licensed Professional Engineer (PE) in Florida and Texas, Hernan 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 and cost-effective solutions to enhance roadway and drainage systems.

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements LAP Project. Hernan is serving 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. This project also features new Shared-Use Paths (SUPs), pedestrian lighting at the I-595 on-ramps and off-ramps, high-emphasis crossings, and 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/US-441. 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 (SUPs) and sidewalks. He also contributed to safety-focused improvements, such as upgraded pedestrian signalization, Rectangular Rapid-Flashing Beacon (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.*

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, and transportation infrastructure.

Hernan Lugo, MS, PE, CFM

City of Belle Glade, Engineering Services to Design Basin H1 Stormwater Improvements . Project Manager and EOR for modeling and designing stormwater infrastructure improvements to serve existing communities within Sub-Basin H1 of Basin H in the City of Belle Glade. Responsibilities included performing Hydrologic and Hydraulic (H&H) modeling, in accordance with the City's Stormwater Master Plan, to support the design of approximately 7,300 linear feet of new drainage pipe systems ranging from 18" to 54" in diameter, along with 65 new drainage structures, a downstream defender device for water quality treatment, and a new outfall discharging to the South Florida Conservancy District C1 Canal. The scope required integration with topographic and geotechnical data, coordination with survey and utility subconsultants, and collaboration with public works to ensure system functionality, regulatory compliance, and constructability. *Location: Palm Beach County, FL. Dates: 2024-Ongoing. HBC Fee: $343 K. Reference: Neil Appel, CPM, nappel@belleglade-fl.com, 561-286-2016.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design-Build Services for NE 2nd Ave Reconstruction from NE 20th St to NE 36th St. Drainage Engineer for widening and reconfiguring 1.09 miles of a 2-lane roadway segment, which included bike lanes, street parking, Two-Way Left-Turn Lane (TWLTL), pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, and sidewalk reconstruction. Hernan developed the drainage design, which included treatment with storm drains, positive discharge, flood protection, and safety measures for pedestrians and vehicular traffic. The plans are developed with the goal of mitigating impacts to existing businesses and adjacent communities. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DPTW-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 NW 84th Ave Reconstruction from NW 58th St to NW 74th St. Drainage Engineer responsible for the development of drainage engineering plans. This project involves reconstructing 1 mile of a 2-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 included design of a new closed drainage conveyance systems, connection to existing outfall and stormwater retention facilities, replacement of existing Corrugated Metal Pipe (CMP) culverts with Reinforced Concrete Pipe (RCP) culverts crossings, designing a new stormwater management facility to compensate for additional impervious areas, permitting through multiple agencies, utility coordination and adjustment, and utility designation and locates. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: $3.5M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

Miami-Dade County Water and Sewer Department (MDC-WASD), Central District Wastewater Treatment Plant (CDWWTP) Oxygen Production Facility Design-Build Project. Civil/Site Engineer of Record (EOR) for providing all resources and professional services necessary for the construction of civil/site, process mechanical, architectural, structural, electrical, instrumentation, plumbing, fire protection, Heating, Ventilation, and Air Conditioning (HVAC), and all other necessary components for the construction and commissioning of the new oxygen production facility at the Central District Wastewater Treatment Plant. Responsible for coordinating design adequacy with all other disciplines throughout the different phases of this project.Hernan was in charge of the analysis and design of the entire civil/site plan, including the clearing and grubbing, site plan layout, site dimension control, pavement design, and new drainage system consisting of a series of swales around the proposed facility to intercept the additional runoff produced by the proposed improvements, and to mitigate this runoff to pre-development conditions, while meeting the criteria for water quantity and quality with the use of an exfiltration trench system. *Location: Virginia Key, FL. Dates: 2017–Ongoing. HBC Fee: $58M. Reference: Carlos Lopez, PE, (786) 621-1645, clopez@wadetrim.com.*

Adelbert Shaffer, PE

Hydraulic Structures, Design and Modeling



21 Years of Experience

Years with HBC
1 year

Education
B.S. in Civil Engineering
Utah State University,
Logan, UT (2004)

A.S., A.P.E. Civil
Engineering Snow College,
Ephraim, UT (2002)

Registration(s)
PE (UT,AZ,CO,SC,HI)

Expertise
Water resources engineering, wastewater systems, utility design, hydraulic modeling, site development, stormwater infrastructure, construction inspection, fire suppression systems.

***Prior to HBC**

Adelbert Shaffer is an experienced civil engineer and project manager specializing in water, wastewater, and site development projects. With a strong background in master planning, hydraulic modeling, utility design, and construction document preparation, he has successfully contributed to water and sewer system expansions, pump stations, dredging projects, and large-scale site developments across various municipalities and private developments.

Miami-Dade County Water and Sewer Department (MDC-WASD), Q16 A&D Small Diameter Water Main Replacement Program (SDWMRP). Water Resource Manager responsible for overseeing the planning, design, and delivery of over 60,000 Linear Feet (LF) of new water transmission mains, including 48,080 LF of 8", 8,072 LF of 12", and 4,282 LF of 16" diameter lines, as well as associated Consumer Line Relocations (CLRs). Responsibilities included managing the route feasibility study to determine optimal alignments, coordinating topographic and boundary surveys, directing Subsurface Utility Engineering (SUE) exploration and geotechnical investigations, and ensuring seamless integration with Miami-Dade County Water and Sewer Department (MDC-WASD) infrastructure. Adelbert is leading the preparation of phased design packages, supporting permitting and procurement processes, and will provide construction-phase engineering support to maintain compliance, facilitate implementation, and safeguard water resource reliability throughout the project lifecycle. *Location: Miami-Dade, FL. Dates: 2025-Ongoing. Reference: Rudy Ibarra, PE, Rudy.Ibarra@miamidade.gov. Contract No. 23HBCE002/TA No 001.*

City of Riviera Beach, W 15th St from Ave R to Ave L. This Design-Build 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. This project includes the installation of new wells and raw water transmission lines to connect to the raw water treatment plant. Responsibilities include reviewing the transmission line design and coordinating comment resolutions. *Location: Riviera Beach, FL. Dates: 11/2023–Ongoing. HBC Fee: $2M.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Improvement to Sanitary Trunk Sewer Van Scoy. Water Resource Design Manager for leading the design and coordination of a 2.3 km sewer force main intended to redirect flows from the Toa Alta Heights Pump Station away from the existing Van Scoy Sewer Trunkline. Adelbert is overseeing all technical aspects of the alignment, which begins near the intersection of Calle 33 and PR-199 and terminates at a proposed manhole near PR-199 and PR-5. The design involves detailed hydraulic evaluation, utility conflict mitigation, and constructability planning for approximately 1 km of open trench installation and 1.3 km of Horizontal Directional Drilling (HDD) construction to minimize surface disruption and ensure compliance with permitting and agency standards. *Location: Bayamón, Puerto Rico. Dates: 04/2024-Ongoing. Reference: Ramon Ortiz, 787.781.9050, Ramon.Ortiz-Morgado@jacobs.com.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Preliminary Engineering Report (PER) for the Elimination of the Ciales, Morovis, and Unibón Wastewater Treatment Plants. Water Resource Design Manager responsible for evaluating the feasibility of consolidating aging Wastewater Treatment Plants (WWTPs) by redirecting flows to a new regional WWTP with planned capacity and process upgrades. Adelbert is directing the technical analysis of existing infrastructure, assessing hydraulic capacity, and developing conceptual layouts for new pump stations required to support the redirected flows. Responsibilities also include managing multidisciplinary coordination, reviewing system modeling outputs, and ensuring that proposed solutions align with regulatory requirements, long-term serviceability, and cost-effective implementation strategies. *Location: Rio Grande, Puerto Rico. Dates: Ongoing. Reference: Jose A. Rodriguez, PE, 787-641-6800, jarodriguez@csagroup.com.*

***Improvement District Culinary Water System, Water Master Plan.** Adelbert prepared a planning document for the Improvement District for the future expansion of the Culinary Water System. Responsibilities included working with local and county government agencies to determine population and growth projections, modeling the existing system using Bentley's WaterCad modeling software, aiding the local agency with determining future system needs, authoring the document discussing the methodology and findings of analyses, and aiding the district in preparing budgetary figures for proposed capital facility projects. *Location: Stansbury Park, UT. Dates: 3/2006 - 2/2008.*

***Improvement District Culinary Water System, Sewer Master Plan.** Adelbert prepared a planning document for the Improvement District for the future expansion of the Culinary Water System. Responsibilities included working with local and county government agencies to determine population and growth projections, modeling the existing system using Bentley's WaterCad modeling software, evaluating capacities in well sources, storage facilities, pipelines, and fire flow, aiding the local agency with determining future system needs, authoring the document discussing the methodology and findings of analyses, and aiding the district in preparing budgetary figures for proposed capital facility projects. Modeling of the existing system included evaluating capacities of pump stations, treatment infrastructure (i.e. lagoons, aeration, chlorination, etc). *Location: Stansbury Park, UT. Dates: 3/2006 - 2/2008. Reference: Brady Morris, (801) 450-7282, bmorris@ensignutah.com.*

***Golf Course Irrigation Well and Pump Station.** Adelbert prepared construction documents for a 3,000 Gallon Per Minute (GPM) pump station to aid in the removal of the golf course from the culinary system. Tasks included hydraulic modeling and calculations to determine the size of transmission piping, pumps, valves, and meters. Adelbert was personally responsible for construction documents, including project specifications, plans, and contract documents. *Location: Stansbury Park, UT. Dates: 7/2007 - 2/2009.*

***Tracy Aviary, Utility Rehabilitation and Master Plan.** Adelbert prepared the inspection of existing infrastructure, identifying the size, location, and condition; prepared the layout of new utility infrastructure, in conjunction with the facilities master plan; prepared utility models to determine the size of water, sewer, and storm drain infrastructure; prepared construction drawings and specifications for the implementation of the master planned utility improvements (i.e. water, sewer, storm drain, alternative water source with pumps, dry utility infrastructure, etc).; conducted construction inspections, processed contractor payment requests, reviewed submittals, responded to contractor RFIs, and issued field order or proposal requests, as necessary, for completion of the project. *Location: Salt Lake City, UT. Dates: 5/2009 - 9/2017. Reference: Matt Utley, (801) 597-6051.*

***Woods Crossing Master Planned Commercial Development.** Adelbert prepared the inspection of existing infrastructure, identifying the size, location, and condition; prepared the layout of new utility infrastructure, in conjunction with the facilities master plan; prepared utility models to determine the size of water, sewer, and storm drain infrastructure; prepared construction drawings and specifications for the overall infrastructure; prepared individual site plans for the implementation of the master planned utility improvements; conducted construction inspections, processed contractor payment requests, reviewed submittals, responded to contractor RFIs, and issued field order or proposal requests, as necessary, for completion of the project. *Location: Woods Cross, UT. Dates: 3/2014 - 11/2017. Reference: John Sawyer, (801) 879-2244, jsawyer@forzacommercial.com.*

Jose A. Lopez, PE

Roadway Engineering | Pavement Analysis & Design



20 Years of Experience

Years with HBC
9 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
OSHA 30-Hour 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, and 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. Jose has led public and private capital improvement projects from design through implementation, ensuring compliance with quality, budget, time, and safety standards. His project portfolio includes major roadway reconstructions, traffic signal optimizations, and pedestrian safety enhancements for FDOT, Miami-Dade County, and Florida's Turnpike Enterprise (FTE). He is proficient in Interconnected Pond and Channel Routing (ICPR) V4, FDOT Specifications Package Preparation, and Temporary Traffic Control (TTC) design. Jose is committed to delivering efficient and innovative transportation solutions that enhance mobility and safety.

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design-Build Services for NW 84th Ave Reconstruction from NW 58th St to NW 74th St. Signalization Engineer of Record (EOR) responsible for designing and implementing traffic signal system upgrades at two signalized intersections along NW 84th Avenue. 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 (ROW) is available. The signalization scope includes replacing traffic signal controller cabinets and mast arms, developing a comprehensive Signal Operating Plan (SOP) to optimize intersection operations, and installing advanced video detection systems to enhance traffic monitoring and efficiency. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: $3.5M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.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. Signalization Engineer of Record responsible for designing and implementing traffic signal system improvements at four signalized intersections along the NE 2nd Avenue corridor. This 1.09-mile roadway reconstruction project expands the existing two-lane roadway to include a Two-Way Left-Turn Lane (TWLTL) and 6' buffered bike lanes in each direction. The signalization scope includes replacing mast arms, signal heads, and pedestrian signals; upgrading vehicle detection systems with loop detection and advanced video detection technology; installing new underground conduit and cabling infrastructure; integrating Automated Traffic Signal Performance Measures (ATSPM) for real-time traffic monitoring and optimization; 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.*

Jose A. Lopez, PE

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements. Roadway Engineer responsible for designing roadway improvements from the Miami-Dade/Broward County Line to north of Sample Road and SR-858/Hallandale Beach Blvd. from Edmund Road to SW 58th Avenue 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, sidewalk/bike lane construction, widening, and flexible pavement design. The design also involved improvements for Shared-Use Paths (SUPs) 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. Jose was also responsible for necessary interdisciplinary coordination. The 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*.

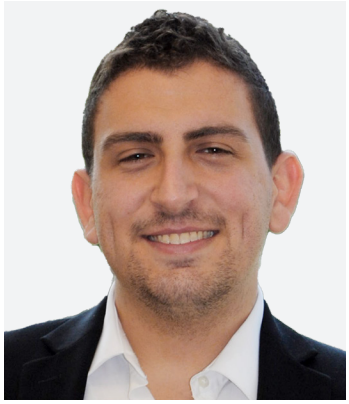
Broward County Public Works Department Highway Construction and Engineering Division, School Zone Flasher Improvements for 6 Broward County Schools. Roadway Engineer of Record (EOR) responsible for developing the school zone flasher improvements design for 6 schools, including Apollo Middle School, Attucks Middle School, Everglades High School, Northeast High School, Mary M. Bethune Elementary School, and Boulevard Heights Elementary School. The design included records research, signalization, Signing and Pavement Marking (S&PM), utility coordination, Subsurface Utility Engineering (SUE), permitting, and public notification. *Location: Broward County, FL. Dates: 2019–2021. HBC Fee: $78K. Reference: Eduardo Martin, (954) 270-3387 emartin@broward.org*.

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design-Build Services for NE 2nd Ave Reconstruction from NE 69th St to NE 84th St. Roadway Engineer of Record (EOR) responsible for the widening and reconfiguring design of 5,016 feet of the four-lane, undivided roadway segment. This corridor is generally commercial and light industrial with some residential areas. The improvement design included the addition of bike lanes, street parking, pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, sidewalk reconstruction, new pavement, horizontal and vertical geometry, side street and plateau intersection signalization, Signing and Pavement Marking (S&PM), and preparation of Temporary Traffic Control Plan (TTCP). Coordination was also made between all design disciplines, including roadway, signalization, S&PM, street lighting, landscaping, drainage, water main lines, utilities, and environmental, while maintaining the project on schedule. Jose performed pavement design and calculations. This project also included extensive public involvement and utility coordination. The TTCP involved shifting of traffic, as required, to facilitate construction through a railroad crossing, while maintaining 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-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 St from NW 20th Ave to NW 19th Ave. Roadway Engineer responsible 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 midblock pedestrian crossing. The scope also encompassed Signing and Pavement Marking (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*.

Alexander Tzenkov, EI

Pavement Analysis & Design



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
EI (FL) No. 1100029024 (06/03/2025)

TTC Advanced # 624238

Expertise
Roadway design, signalization, Maintenance of Traffic (MOT), Temporary Traffic Control Plans (TTCPs), Resurfacing, Restoration 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, Restoration 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.

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 the 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 4, SR-7/US-441 Transit Corridor Improvements - Task Work Order 3. Engineering Technician 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 shared-use path connects the shared-use 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. This project includes minor signalization improvements within the project limits to address impacted ADA curb ramps and crossings, 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.*

Alexander Tzenkov, EI

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, which includes the replacement of the existing drainage system; 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 of 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, existing aboveground and underground utilities, and 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, and Temporary Traffic Control Plans (TTCPs). Roadway design aspects include, but are 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 and 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 (TTCPs), 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.*

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 responsible for assisting the preparation of 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 Florida City, East Palm Dr Phase II from SW 172nd Ave to East of SE 13th Ave. Engineering Technician responsible for the design and development of the signalization component. Signalization work encompasses the replacement of one mast arm at the existing signalized intersection of Palm Drive and SW 167th Avenue and a brand-new signalized intersection at Palm Drive and SW 172nd Avenue. The scope of work includes new mast arms, pedestrian countdowns, traffic controller, video detection, and service points and disconnects. Coordination was also performed between all design disciplines, such as structures, roadway, S&PM, street lighting, landscaping, drainage, and environmental, while maintaining the project on schedule. *Location: Broward County, FL. Dates: 2022–Ongoing. HBC Fee: $2.25M. Reference: Shan Patel, (305) 265-5402, spatel@eacconsult.com.*

Leandro Vazquez

Utility Coordinator



4 Years of Experience

Years with HBC
4 years

Education
B.A. in English, Florida International University (06/1987)

Expertise
Proposla writing, QA/QC, compliance reviews, utility coordination

Leandro Vazquez is a Utility Coordinator at HBC Engineering Company with over four years of experience. He has a B.A. in English from Florida International University and transitioned from retail management to the engineering field, where he drafts and coordinates utility relocations and conflict resolutions for major infrastructure projects. Leandro has worked with agencies like FDOT, FTE, MDC, and the Seminole Tribe of Florida, ensuring compliance with regulations, resolving utility conflicts, and managing project schedules.

Seminole Tribe of Florida (STOF), Hollywood Pedestrian Bridge over SR-7/US-441. Utility Coordinator for this project, which involves the design of a 140' pedestrian bridge with 10' wide circular ramps to improve connectivity across SR-7/US-441 within the Hollywood Seminole Tribe of Florida Indian Reservation. The scope includes the structural analysis of three bridge concepts, field investigations, and phased development of construction documents. Leandro is responsible for creating the Sunshine 811 design ticket and map, providing early and proactive communication and coordination with Utility/Agency Owners (UAOs), emailing contact letters, Sunshine 811 design ticket and map, and design plans to all UAOs, and providing follow-up phone calls and emails to UAOs with pending submittals of mark ups, drawings, as-builts, Utility Disposition Forms (UDFs), and/or Utility Work Schedules (UWSs) required for the successful execution of this project's Utility Certification. *Location: Hollywood, FL. Dates: 5/2025-Ongoing. HBC Fee: $2.3M. Contract No. 380349. Reference: Omar Nunez, osenunez@semtribe.com, (954) 894-1060.*

Florida Department of Transportation (FDOT) District 4, SR-817/University Dr from Nova Dr to SR-84. Utility Coordinator providing proactive communication and coordination with Utility/Agency Owners (UAOs) and overseeing utility relocations and conflict resolutions for roadway widening and infrastructure improvements project along SR-817/University Drive from Nova Drive to SR-84. Leandro coordinated with UAOs, design teams, and contractors to facilitate the relocation of drainage structures, overhead signs, a mast arm, and utility poles, while minimizing service disruptions. He managed utility adjustments to accommodate the addition of an auxiliary lane from NW 23rd Street to the WB I-595 on-ramp and the reconfiguration of the bus stop bay at Nova Drive and SR-817/University Drive. He also 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. Leandro assisted in construction phasing and permitting to align utility work with the project schedule 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.*

Florida Department of Trasnportation (FDOT) District 4, SR-708/Blue Heron Blvd from West of SR-9/I-95 to West of Garden Rd. Utility Coordinator responsible for managing utility coordination activities on this SR-708/Blue Heron Boulevard Lighting Improvement Project, supporting lighting enhancements at the SR-9/I-95 interchange and along SR-708/Blue Heeron Boulevard from east of SR-9/I-95 and west of Garden Road. Responsibilities included identifying and coordinating with Utility/Agency Owners (UAOs) throughout the corridor to ensure timely utility clearance and compliance with FDOT standards. Duties encompassed

pre-meeting preparation, conducting field reviews with the Engineer of Record (EOR) and UAOs, documenting meeting minutes, and collecting and reviewing marked utility plans, as-builts, and record drawings. The role also involved processing utility documentation, including No Conflict Letters, Utility Work Schedules (UWSs), and agreements, assessing potential utility impacts against Maintenance of Traffic (MOT) and construction phasing, and finalizing executed documents for utility certification. Successfully compiled and submitted the complete Utility Certification package to FDOT, ensuring all utility coordination milestones were met. *Location: Palm Beach County, FL. Dates: 01/2025-Ongoing. Reference: Ronald Wallace, PE, (954) 777-4428, Ronald.Wallace@dot.state.fl.us. Contract No.: CAQ79*

Florida's Turnpike Enterprise (FTE), Southern Turnpike CCTV Upgrades System Wide. Utility Coordinator responsible for managing utility coordination efforts to support the installation of additional Closed-Circuit Television (CCTV) cameras along SR-91/Florida's Turnpike Mailine, SR-821/Homestead Extension of Florida's Turnpike (HEFT), and multiple Turnpike service plazas, including Snapper Creek, Pompano Beach, West Palm Beach, Fort Pierce, and Fort Drum. Responsibilities included identifying and coordinating with all fifty-seven Utility/Agency Owners (UAOs) found on all twelve Sunshine 811 Design Tickets, facilitating early conflict detection, and ensuring compatibility of the proposed CCTV infrastructure with existing utility systems. Acted as liaison between design teams, utility owners, and the client to secure utility clearances, address potential conflicts, and support timely relocations or adjustments, as needed. The expanded CCTV coverage was aimed at enhancing operational awareness during peak traffic and emergency scenarios, with future use for traffic data collection. *Locations: Miami-Dade, Broward, Palm Beach, St. Lucie, and Okeechobee Counties, FL. Dates: 1/2025-Ongoing. Reference: Yang Zhao, PE, PhD. yang.zhao@dot.state.fl.us, 407-264-3376, FM No.: 452086-1-32-01*

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, South Florida Conservancy District (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 resolutions for the replacement of the Riverwalk North seawall, spanning 500' west from the Andrews Avenue bridge toward the Ferromex (FXE) train tracks. Coordinated with Utility/Agency Owners (UAOs) 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 preconstruction 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.*

Joseph Williams

Cost Estimation/Schedule & Project Control

Joseph specializes in cost estimating, scheduling, and project controls for major public and private sector capital improvement projects. With over 35 years of experience, Joseph brings extensive expertise in program management, change order negotiation, design review, and budget oversight. He has successfully supported construction programs for aviation, transportation, municipal, education, and federal sectors—ranging from local upgrades to multi-billion-dollar developments. He has played critical roles on high-profile initiatives such as the Miami International Airport Capital Improvement Program, Port Miami, the City of Miami CIP, and Broward and Miami-Dade County Public School facilities. His scope of services includes managing all project phases from design through construction and close-out, ensuring cost accuracy and schedule alignment. Joseph is proficient in Primavera, E-Builder, Procore, Timberline, On-Screen Takeoff, and FEMA's Grants Manager, among other platforms. He also offers valued experience in value engineering, scope development, bid preparation, and oversight of both civil and vertical infrastructure.

***Various Palm Beach County, Broward County School Board, Miami-Dade County Public Schools and the University of Miami. CM at Risk Projects, Churches and Commercial Construction Projects.** Manage Estimating and Scheduling on various construction projects. Change Order management. Attend meetings and negotiations with clients, architects, subcontractor and vendors for various projects. Provide the owners and project managers with assistance from project selection, planning, design, bidding, construction and closeout. Work with owner representatives, Project Managers and site supervisors to solve various construction and design issues. Train Project Managers, schedulers and clerical staff to work with the project controls procedures. *Location: Miami, FL. Dates: 3/2021 - 12/2023. Contract Fee: $6M.*

***Various Broward County School Board Construction Projects.** Manage, Estimating and Scheduling on various construction projects. Manage project design at all phases to include project budget and scheduling. Mobilization, construction site preparation. Provide support for the planning, management direction from completion of the project to owner complete acceptance. Coordination and monitoring of all phases and milestones of the project schedule, to include all procedures, plans, specifications and budgets. Attend all types of project meetings at various locations to coordinate project activities to the project team. Establish and prepare various project status reports for management. Work with owner representatives, inspectors, Project Managers, architects and site supervisors to solve various issues such as change orders, code compliance, construction and design issues. *Location: Broward County, FL. Dates: 3/2019 - 3/2020. Contract Fee: $24M.*

38 Years of Experience

Years with HBC
1 years

Education
B.S. in Construction Management, Florida International University, (1987)

B.S. in Nuclear Engineering Technology, Aiken Technical College (1980)

Affiliations
Association of the Advancement of Cost Engineers

Florida International University Alumni Association

State of Florida Notary

Expertise
Cost estimating, Schedule management, Budget forecasting, Change orders, Value engineering, Bid preparation, Project controls, Design review, Construction oversight, FEMA estimating, Grants Manager, Primavera scheduling, Procore software, Timberline estimating, Document control, Airport construction, School facilities, Infrastructure projects, Utility coordination, Contract negotiation, Stakeholder coordination, Risk assessment, Conceptual

Joseph Williams

estimates, Scope development, Project reporting, Cost analysis, Public sector, Capital programs, Multidisciplinary coordination, Construction phasing, CM at Risk, Design-Build, Quality control, Staff training

***Prior to HBC**

***Ft. Lauderdale-Hollywood Int'l Airport Terminal 1 Addition and Renovation.** Provide construction management services for CM at Risk project to include construction contract document review, estimating scope of work budget costs, compose construction bid packages for various work, value engineering, manage bidding process for various trades and provided scheduling services. Review of scope and verification of costs for change orders. Scope of estimates and consulting to include all types of estimates in Divisions 2 through 14. *Location: Ft. Lauderdale, FL. Dates: 7/2015 - 10/2016. Contract Fee: $300M.*

***Ft. Lauderdale-Hollywood Int'l Airport New South Runway.** Provided estimating services to include review of change orders for site and utilities demolition, earthwork, asphalt and concrete pavements, water, sewer, storm drainage, electrical, fiber optics and MSE walls. Provided Value Engineering studies, conceptual estimates, scheduling services, bid and schedule of value analysis. *Location: Ft. Lauderdale, FL. Dates: 1/2013 - 7/2015. Contract Fee: $900M.*

***City of Miami Capital Improvement Project (CIP).** Perform oversite analysis of the City of Miami Capital Improvement Program Operating and Control Environment reporting system. Review of all procedures, city staff and their consultants' duties and responsibilities. Provide comments and an overview review of the CIP Operating and Control Environment reporting system. *Location: Miami, FL. Dates: 4/2025 - Ongoing. Contract Fee: $4M.*

***Various Port Miami, Miami-Dade County Projects.** Manage, Estimating and Scheduling on various construction projects. Manage project design at all phases of design to include project budget and schedule. Mobilization, construction site preparation. Provide support for the planning, management direction from completion of the project to owner complete acceptance. Coordination and monitoring of all phases and milestones of the project schedule, to include all procedures, plans, specifications and budgets. Attend all types of project meetings at various locations to coordinate project activities to the project team. Establish and prepare various project status reports for management. Work with owner representatives, inspectors, Project Managers, architects and site supervisors to solve various issues such as change orders, code compliance, construction and design issues. Change Order and Credits Management of various Civil, Architectural and Mechanical, Electrical and Plumbing Projects. *Location: Miami, FL. Dates: 9/2024 - 3/2025. Contract Fee: $70K.*

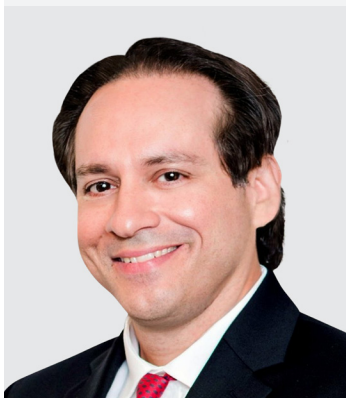
***City of Miami Capital Improvement Project (CIP).** Perform oversite analysis of the City of Miami Capital Improvement Program Operating and Control Environment reporting system. Review of all procedures, city staff and their consultants' duties and responsibilities. Provide comments and an overview review of the CIP Operating and Control Environment reporting system. *Location: Miami, FL. Dates: 1/2024 - 9/2024. Contract Fee: $4M.*

***Various Department of Defense and Energy Research.** Working on various government Department of Energy projects from design thru closeout with project managers and contractors refurbishing and new construction roads, research, infrastructure, life safety and mechanical, electrical, plumbing and special systems. *Location: Miami, FL. Dates: 3/2020 - 3/2021. Contract Fee: $24M.*

***Various Construction Projects.** Provide estimating and scheduling services for projects from Schematic Design to the Construction Bidding Process for contractors, owners and architects. Scope of estimates and consulting to include all types of estimates in Divisions 2 through 14. *Location: Miami, FL. Dates: 4/2017 - 9/2017. Contract Fee: $7M.*

Edgar Diaz, MS, PE, PSM

Plans Review | Feasibility Studies | Cost Estimation/Schedule & Project Control | Bidding/Bid Evaluation



38 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).

Edgar is a licensed Professional Engineer and Surveyor with over 33 years of experience in civil engineering, utility infrastructure, and construction management. He specializes in developing and reviewing construction cost estimates for complex water and wastewater projects, including those under the USEPA Consent Decree and Ocean Outfall Legislation. His work for Miami-Dade County has included cost estimates for the Central District Wastewater Treatment Plant and inspections of 82 WASD-owned facilities. Edgar ensures alignment with agency requirements from FDEP, FDOT, and SFWMD, applying QA/QC, value engineering, and design review to deliver accurate and sustainable budgets.

Miami-Dade County Water and Sewer Department (MDC-WASD), 60" Diameter Transmission Force Main Installation. Project/Construction Manager responsible for planning, value engineering, engineering design, utility coordination, permitting, procurement, and construction management services for a proposed 60" diameter Force Main (FM) from Pump Station 0536 to SW 88th Street. Edgar prepared the Basis of Design Report (BODR) during the planning and value engineering phases for 4 route alternatives, with the recommended alternative being used to develop the engineering design documents and obtain permits from MDC Department of Environmental Resources Management (DERM), MDC Department of Transportation and Public Works (DTPW), and Florida Department of Transportation (FDOT). Edgar also evaluated bid tabulations, prepared award recommendation, and managed construction phase tasks, which included reviewing as-built documents, witnessing pressure tests, preparing completion reports to certify the project for service, securing the release of permits to operate the FM, and reviewing submittals, Requests for Information (RFIs), and change orders. *Location: Miami, FL. Reference: Paul F. Adams, (786) 863-9425, paul.adams@miamidade.gov.*

Miami-Dade County Water and Sewer Department (MDC-WASD), CD 4.10 (2) Installation of 54" Diameter Force Main at Opa-Locka Airport. Project/Construction Manager responsible for planning, value engineering, utility coordination, engineering design, permitting, procurement, and construction management services for the replacement of 10,700 Linear Feet (LF) of an existing 48" diameter Prestressed Concrete Cylinder Pipe (PCCP) Force Main (FM) with a 54" ductile Iron Pipe (DIP) FM from NW 57th Avenue to NW 37th Avenue. The proposed FM runs parallel to the North Runway at Miami-Opa Locka Executive Airport (OPF). During the planning and value engineering phases, Edgar prepared the Basis of Design Report (BODR) for 3 route alternatives, with the selected alternative used to develop the engineering design documents and obtain permits from South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDPE), MDC Department of Environmental Resources Management (DERM), MDC Department of Transportation and Public Works (DTPW), City of North Miami, and Florida Department of Transportation (FDOT).

Edgar also evaluated bid tabulations, prepared award recommendation, and managed construction phase tasks, which included reviewing as-built documents, witnessing pressure tests, preparing completion reports to certify the project for service, securing the release of permits to operate the FM, and reviewing submittals, Requests for Information (RFIs), and change orders. *Location: Opa Locka, FL. Dates: 10/2016-11/2018. Reference: Paul F. Adams, (786) 863-9425, paul.adams@miamidade.gov.*

Miami-Dade County Water and Sewer Department (MDC-WASD), 54" Diameter Transmission Force Main Installation. Project/Construction Manager responsible for planning, value engineering, engineering design, utility coordination, permitting, procurement, and construction management for the installation of 13,000 Linear Feet (LF) of a 54" diameter Prestressed Concrete Cylinder Pipe (PCCP) Force Main (FM) from SW 280th Street and SW 127th Avenue to SW 248th Street and SW 107th Avenue. The alignment ran along heavily trafficked roads, requiring detailed Traffic Control Plans (TCPs) to ensure the safety of both motorists and workers. Edgar prepared the Basis of Design Report (BODR) during the planning and value engineering phases and evaluated 3 route alternatives. The selected alternative was used to develop the engineering design documents and obtain permits from South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP), MDC Department of Environmental Resources Management (DERM), MDC Department of Transportation and Public Works (DTPW), and Florida Department of Transportation (FDOT). Edgar also evaluated bid tabulations, prepared award recommendation, and managed construction phase tasks, which included reviewing as-built documents, witnessing pressure tests, preparing completion reports to certify the project for service, securing the release of permits to operate the FM, and reviewing submittals, Requests for Information (RFIs), and change orders. *Location: Homestead, FL. Reference: Paul F. Adams, (786) 863-9425, paul.adams@miamidade.gov.*

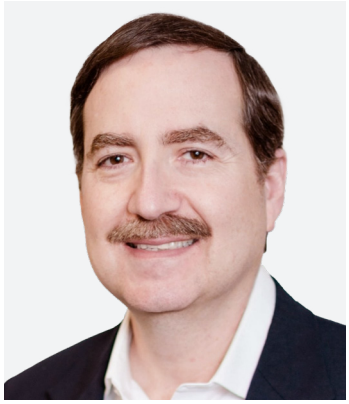
Miami-Dade County Water and Sewer Department (MDC-WASD) Consent Decree (CD) 4.10 (1), 48" Diameter Force Main Rehabilitation at Miami-Opa Locka Executive Airport (OPF). Project/Construction Manager responsible for the planning, engineering design, permitting, utility coordination, procurement, and construction management for the rehabilitation of 2,670 Linear Feet (LF) of a 48" diameter Prestressed Concrete Cylinder Pipe (PCCP) Force Main (FM) with a 42" diameter High-Density Polyethylene (HDPE) liner from NW 37th Avenue to NW 32nd Avenue. The FM runs parallel to a South Florida Water Management District (SFWMD) canal from the Miami-Opa Locka Executive Airport (OPF) to NW 32nd Avenue. Edgar prepared engineering design documents and secured permits from SFWMD, Florida Department of Environmental Protection (FDEP), MDC Department of Environmental Resources Management (DERM), MDC Department of Transportation and Public Works (DTPW), and Florida Department of Transportation (FDOT). Edgar also evaluated bid tabulations, prepared award recommendation, and managed construction phase tasks, which included reviewing as-built documents, witnessing pressure tests, preparing completion reports to certify the project for service, securing the release of permits to operate the FM, and reviewing submittals, Requests for Information (RFIs), and change orders. *Location: Opa Locka, FL. Dates: 01/2015-12/2017. Reference: Paul F. Adams, (786) 863-9425, paul.adams@miamidade.gov.*

Edgar also served as Project/Construction Manager for several other FM projects, providing planning, value engineering, utility coordination, engineering design, permitting, procurement, and construction management services. These other FM projects include:

- 800 Linear Feet (LF) of a 24" Diameter Force Main (FM) from Pump Station (PS) 0353 to NW 48th Court
- 1,400 LF of 16" and 10" Diameter FMs between PS 0812 and SW 102nd Avenue along SW 84th Street
- 9,045 LF of 12" and 16" Diameter FMs from PS 0891 to SW 127th Avenue and north of SW 88th Street
- 4,540 LF of 8", 10", and 16" Diameter FMs on NW 29th Place from PS 0376 and PS 0427 to NW 194th Street (PS 0375) and NW 34th Street (PS 0377) and NW 194th Terrace to PS 0368
- 17,850 LF of a 12" Diameter FM along the Palmetto Golf Course between PS 0735 and a private PS south of SW 152nd Street and west of SR-5/US-1/S. Dixie Highway
- 2,510 LF of a 12" Diameter FM from PS 0356 to NW 183rd Street and NW 52nd Avenue

Teodoro Tefel, PE

Maintenance of Traffic | Plans Review



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 (M&R), interchange design, roadway widening, drainage analysis, and 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 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).

Palm Beach County (PBC), Boca Rio Rd Widening from Palmetto Park Rd to Glades Rd. Teodoro served the role of Support Engineer for this project, which involved 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.*

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 the Milling and Resurfacing (M&R) and Signing and Pavement Marking (S&PM) tasks 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.*

Miami-Dade County Water and Sewer Department (MDC-WASD), Maintenance of Traffic (MOT) Control Plans for a 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 SR-948/NW 36th Street 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 MDC-WASD, Florida Department of Transportation (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 a 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 MDC-WASD, Florida Department of Transportation (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 major highway reconstruction, widening, and Milling and Resurfacing (M&R) SR-826/Palmetto Expressway, SR-93/I-75, and frontage roads, as well as the construction of a two-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 the plans review of complex major limited access facilities. The SR-826 (Palmetto Expressway)/SR-836 (Dolphin Expressway) Interchange is a heavily traveled four-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.*

***Florida Department of Transportation (FDOT) District 4, SR-15 Over Hillsboro Canal Lift Out Span Deck Replacement.** Teodoro served the role of Engineer of Record (EOR) responsible for the design of Signing and Pavement Marking (S&PM) plans and the design of Temporary Traffic Control Plans (TTCPs). *Location: Palm Beach County, FL. Dates: 2013–2014. Contract Amount: $3M. Reference: John Danielsen, PE, (954) 777-4644, John.Danielson@dot.state.fl.us.*

Osmin Ocon, EI

Roadway Engineering | Signalization



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.

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements - Task Order 3. Signalization & Utilities CADD 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 & Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. The responsibilities consisted of the development of Full plans for roadway design with 3D modeling, signalization improvements, level 2 design for Temporary Traffic Control Plans (TTCP), 3D CADD utility design drawings, as well as minor contribution on utility coordination, Signing and pavement marking and project management.Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-04. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.

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. Signalization designer of the 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. *Location: Broward County, FL. Dates: 2023–Ongoing. HBC Fee: $1.75M. Reference: Adham Naiem, (954) 777-4440, adham.naiem@dot.state.fl.us.*

operations, construction documentation.

***Prior to HBC**

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*

City of Riviera Beach, Raw Water Transmission Main Improvements Progressive Design-Build. Responsibilities included the development of temporary traffic control plans for areas affected by the design layout of raw water transmission, 2D and 3D CADD support for pipeline design layout and plan development, as well as supervision and backcheck for comment implementation for all steps of QAQC process. Location: Riviera Beach, FL. Dates: 2022–Ongoing. Reference: Edgar Diaz, (786) 385 6824, ediaz@hbcengineeringco.com.

Puerto Rico Aqueduct and Sewer Authority (PRASA), Improvement to Sanitary Trunk Sewer Van Scoy. MOT and S&PM 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.*

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. MOT and Utilities CADD designer for the 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. *Location: Miami-Dade County FL. Dates: 2022–Ongoing. HBC Fee: $12.6M. Reference: Alejandro Sauleda, (305) 375-4866, Alejandro.Sauleda@miamidade.gov.*

Broward County Public Works Department, 2 School Zone Flasher Improvements Projects. S&PM CADD designer for 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.*

Eugene “Gene” Hunter, IMSA I

CEI Construction Administrator



35 Years of Experience

Years with HBC
2 year

Education
Miramar High School
Diploma (06/04/1985)

Registration(s)
TIN No. H53620167

Licenses & Certifications
FDOT CTQP:

- Asphalt Paving Levels 1 and 2
- Final Estimates 1
- Quality Control Manager
- Auger Cast Piling

ACI

FDOT Advanced MOT

Stormwater Management Inspector #25258

Troxler Nuclear Safety

FHWA/FDOT Tech-Transfer Training

OSHA 10-Hour

IMSA Roadway Lighting Technician Level I

IMSA Traffic Signal Technician Level I

IMSA Work Zone Equivalent

***Prior to HBC**

Gene is an experienced Project Administrator specializing in Construction Engineering and Inspection (CEI) for Florida Department of Transportation (FDOT) and Florida municipalities, with expertise in roadway and bridge construction, MOT, stormwater drainage, earthwork, Milling and Resurfacing (M&R), Signing and Pavement Marking (S&PM), signalization, and lighting. He ensures contract compliance, documentation management, and regulatory adherence, overseeing daily reports, change orders, field inspections, pay item tracking, and contractor negotiations. Gene has managed Local Agency Program (LAP) projects, coordinated Maintenance of Traffic (MOT) setups, SWPPP monitoring, and RFIs, and facilitated subcontractor coordination, project submittals, and bi-weekly meetings. His strong organizational and leadership skills make him a valuable asset in delivering high-quality infrastructure projects on time and within budget.

***Florida Department of Transportation (FDOT) District 4, Project Administration Video Monitoring Systems for FDOT Intelligent Transportation System (ITS) Traffic Operations at I-75/I-595.** Assistant Project Administrator with all aspects of construction on this $14.45 million project. His responsibilities included field, contract, and client support, ensuring project documentation was properly maintained and compliant with FDOT standards. *Location: Fort Lauderdale, FL. Dates: 2007-2008. Contract Amount: $14.45M. Reference: Roy Schofield, (954) 914-5647.*

***Florida Department of Transportation (FDOT) District 4, Glades Rd/El Rio Canal Project.** Project Administrator for all phases of construction and administration, including bridge demolition and widening, curb and gutter, concrete sidewalk resurfacing, earthwork, signalization, canal restoration, and landscaping. *Location: West Palm Beach, FL. Dates: 2004-2006. Contract Amount: $11M. Reference: William Francis PE, (561) 578-9346.*

***Florida Department of Transportation (FDOT) District 4, I-95 and Atlantic Blvd Ramp Improvements.** Assistant Project Administrator/ Senior Inspector for overseeing construction activities and reporting. His duties included managing ramp reconstruction, drainage, resurfacing, signalization, lighting, and landscaping. Gene ensured that all project documentation was accurate and up to date, maintained compliance with contract specifications, and coordinated between contractors and stakeholders *Location: Pompano Beach, FL. Reference: Roy Schofield, (954) 914-5647.*

***Florida Department of Transportation (FDOT) District 4, SR-814/ Atlantic Blvd and Lyons Rd.** Assistant Project Administrator/Senior Inspector and CSS for overseeing all phases of construction. The project involved multilayer optional base courses, guardrail systems, Maintenance of Traffic (MOT), crash attenuators, signalization, and resurfacing. Gene was responsible for coordinating subcontractors, ensuring compliance with project specifications, managing Laboratory Information Management

Eugene Hunter, IMSA I

System (LIMS) entries, and making sure all contractual and regulatory requirements were met. *Location: Coconut Creek, FL. Reference: Roy Schofield, (954) 914-5647.*

***Florida Department of Transportation (FDOT) District 4, SR-834/Sample Rd and SR-835/Powerline Rd.** Assistant Project Administrator/Senior Inspector for all phases of roadway construction and roadway inspection, including Superpave asphalt, Drain-Crete, riprap, erosion control, lighting, signalization, concrete pavement, sheet piling, and landscaping. *Location: Deerfield Beach and Pompano Beach, FL. Contract Amount: $26M. Reference: William Francis PE, (561) 578-9346.*

***Florida Department of Transportation (FDOT) District 4, SR-84/I-75/Alligator Alley Rest Area.** Inspector for all phases of site work for the resurfacing, drainage, riprap, Mechanically Stabilized Earth (MSE) walls, erosion control, boat ramp installation, de-mucking, pavilions, drilled shafts, high-mast lighting, a treatment plant, sidewalks, and sodding. Gene managed project documentation, ensured compliance with contract specifications, and provided regular project updates. *Location: Fort Lauderdale, FL. Contract Amount: $44M. Reference: Bill Kays, (352) 258-1566, bkays@kcaeng.com.*

Palm Beach County (PBC), Seminole Boulevard Multi-Use Trail and Pedestrian Lighting LAP Project from Oswego Ave to Okeechobee Blvd. Project Administrator and CSS for the upgrade of the lighting aesthetics with designer poles, widening of the concrete sidewalks on the East and West sides of the corridor from 6' to 12' to accommodate pedestrians and cyclists alike, upgrades to the drainage system which included the addition of 30" & 18" French drains and supplemental manhole structures, and milling & resurfacing throughout the project limits. Implementation of steel guide rails and full width detectable surfaces to meet ADA requirements were also installed in conjunction with the lighting improvements. Gene managed his inspector and the project to ensure compliance with the daily reports, photo documentation, MOT & SWPPP checks, hold biweekly meetings, and resolve any change orders and RFIs, as well as ensured all submittals into GAP conform with the LAP Requirements. *Location: West Palm Beach, FL. Dates: 9/2024-Ongoing. Contract Amount: $1.8M. Reference: Zachary King, (561)684-4178, zking@pbcgov.org.*

Palm Beach County (PBC), George Bush Blvd Bridge over the ICWW Bridge Replacement. Gene is assisting with traffic data collection for this project, with tasks including 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 Safety 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: Delray Beach, FL. Dates: 2023–Ongoing. Reference: Mike Sileno, msileno@hardestyhanover.com*

***Florida Department of Transportation (FDOT) District 2, SR-20 & SR-26.** Inspector for overseeing the density testing, sampling, and quality control of concrete and earthwork, as well as supervising Maintenance of Traffic (MOT) operations. His role involved ensuring that all testing and reporting were conducted according to project specifications and regulatory requirements. *Location: Gainesville and Newberry, FL. Contract Amount: $50M. Reference: Bill Kays, (352) 258-1566, bkays@kcaeng.com.*

***Florida Department of Transportation (FDOT) District 6, Miami Gardens Dr.** Assistant Project Administrator/Senior Inspector for all phases of construction, including bridge widening, resurfacing, concrete sidewalk, curb and gutter, signalization, lighting, and landscaping. *Location: Miami Gardens, FL. Dates: 2002-2004. HBC Fee: $2.8M. Reference: Enrique Tamayo, PE, etamayo@RKK.com.*

CTQP Training History Report

Report for: Eugene Hunter
Trainee ID: 28
TIN: H53620167****
Email: g*****r@hbcengineeringco.com
Report Date: 11/25/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3031391	2024-06-17	2029-06-17
Asphalt Paving Level 1	3031447	2029-06-17	2029-06-20
Asphalt Paving Level 2	3031446	2024-06-20	2029-06-20
Final Estimates Level 1	3029920	2024-04-17	2029-04-17
QC Manager	N/A	2013-03-26	2099-01-01

Pending Qualifications

No Matching Pending Qualification Records Found

Expired Qualifications

Qualification Name	Certificate Number	Valid from	Expired on
Asphalt Paving Level 1	N/A	2000-08-01	2005-07-31
Asphalt Paving Level 1	N/A	2008-05-21	2013-05-21
Asphalt Paving Level 1	N/A	2014-05-20	2019-05-20
Asphalt Paving Level 1	N/A	2014-05-23	2024-05-23
Asphalt Paving Level 2	N/A	2000-10-27	2005-10-26
Asphalt Paving Level 2	N/A	2014-05-20	2024-05-23
Asphalt Paving Level 2	N/A	2014-05-23	2019-05-23
Concrete Field Inspector Level 2	N/A	2009-05-30	2014-05-30
Concrete Field Inspector Level 2	N/A	2012-04-14	2017-04-14
Concrete Field Technician Level 1	N/A	2002-05-14	2003-02-07
Concrete Field Technician Level 1	N/A	2003-05-17	2008-05-17
Concrete Field Technician Level 1	N/A	2009-05-30	2014-05-30

Concrete Field Technician Level 1	N/A	2014-05-17	2019-05-17
Drilled Shaft Inspection	N/A	2002-09-26	2007-09-26
Drilled Shaft Inspection	N/A	2009-03-05	2014-03-05
Drilled Shaft Inspection	N/A	2014-04-30	2019-04-30
Drilled Shaft Inspection	N/A	2019-02-20	2024-04-30
Earthwork Construction Inspection Level 1	N/A	1999-09-09	2004-09-07
Earthwork Construction Inspection Level 1	N/A	2004-09-22	2009-09-22
Earthwork Construction Inspection Level 1	N/A	2012-09-11	2017-09-11
Earthwork Construction Inspection Level 1	N/A	2019-03-26	2024-03-26
Earthwork Construction Inspection Level 2	N/A	2001-02-14	2006-02-13
Earthwork Construction Inspection Level 2	N/A	2006-07-14	2011-07-14
Earthwork Construction Inspection Level 2	N/A	2012-09-13	2017-09-13
Earthwork Construction Inspection Level 2	N/A	2019-03-28	2024-03-28
FDOT Concrete Field Inspector Specification	N/A	2002-05-14	2007-05-14
Final Estimates Level 2	N/A	2003-07-23	2008-07-23
Pile Driving Inspection	N/A	2012-08-25	2017-08-25

Requirements

Requirement Name	Result	Valid from	Expired on
30 Days Experience on a Construction Project Involving Earthwork Operations	MET	1900-01-01	2099-01-01
90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	1900-01-01	2099-01-01
ACI Concrete Transportation Construction Inspector Certificate	MET	1900-01-01	2099-01-01
Asphalt Paving - Level 1 - Proficiency Exam	MET	2000-08-01	2005-08-01
Asphalt Paving - Level 1 - Proficiency Exam	MET	2005-09-21	2010-09-21
Asphalt Paving - Level 1 - Proficiency Exam	MET	2014-05-20	2019-05-20
Asphalt Paving - Level 1 - Proficiency Exam	MET	2024-06-17	2029-06-17
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2000-08-01	2005-08-01
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2005-09-15	2010-09-15

Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2014-05-20	2019-05-20
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2024-06-17	2029-06-17
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2000-10-27	2005-10-27
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2008-05-21	2013-05-21
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2014-05-23	2019-05-23
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2019-05-03	2024-05-03
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2024-06-20	2029-06-20
Drilled Shaft Inspection - Proficiency Exam	MET	2014-04-30	2019-04-30
Drilled Shaft Inspection - Written Exam Requirement	PASS	2002-09-26	2007-09-26
Drilled Shaft Inspection - Written Exam Requirement	PASS	2009-03-05	2014-03-05
Drilled Shaft Inspection - Written Exam Requirement	PASS	2014-04-30	2019-04-30
Drilled Shaft Inspection - Written Exam Requirement	PASS	2019-02-20	2024-02-20
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	1999-09-09	2004-09-09
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2004-09-22	2009-09-22
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2012-09-11	2017-09-11
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2019-03-26	2024-03-26
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	1999-09-09	2004-09-09
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2004-09-22	2009-09-22
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2012-09-11	2017-09-11
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2019-03-26	2024-03-26
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2001-02-14	2006-02-14
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2006-07-14	2011-07-14
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2012-09-13	2017-09-13
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2019-03-28	2024-03-28

FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2002-05-14	2007-05-14
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2009-09-23	2014-09-23
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2014-04-09	2019-04-09
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2019-04-05	2024-04-05
Final Estimates - Level 1 - Written Exam Requirement	PASS	2024-04-17	2029-04-17
Final Estimates - Level 2 - Written Exam Requirement	PASS	2003-07-23	2008-07-23
Monitored 10 Drilled Shafts, at least 5 Shafts constructed with Wet Method	MET	1900-01-01	2099-01-01
Monitored 15 Driven Piles, at least 10 Piles driven with Open Diesel Hammers	MET	1900-01-01	2099-01-01
Nuclear Radiation Safety Certificate	MET	1900-01-01	2099-01-01
Pile Driving Inspection - Written Exam Requirement	PASS	2004-06-17	2009-06-17
Pile Driving Inspection - Written Exam Requirement	PASS	2012-08-25	2017-08-25
Quality Control Manager - Written Exam Requirement	PASS	2013-03-26	2099-01-01

Rodolfo Caceres, PE, IMSA I

CEI Construction Administrator



21 Years of Experience

Years with HBC
5 years

Education
Bachelor of Science in Civil Engineering, Pontificia Universidad Javeriana (2004)

Registration(s)
PE (FL) No. 72356 (01/29/2011)

TIN No. C26272179

Licenses & Certifications
FDOT CTQPs:

- Asphalt Pavement Levels 1 and 2
- Final Estimates Levels 1 and 2
- QC Manager

FDOT Concrete Field Inspector Specification

IMSA Traffic Signal Technician I

FDOT Advanced MOT No. 603574

FEMA - IS-00100.b

ITS Facility Management System - Deliverable Testing Training

Rodolfo is a highly skilled Construction Engineering and Inspection (CEI) Project Administrator with a strong Contract Support Specialist background, ensuring compliance with contract specifications and facilitating effective coordination between contractors, project personnel, and agencies. He specializes in tracking and negotiating pay items, processing monthly progress reports, and leading construction progress meetings to maintain project efficiency. His technical expertise spans Intelligent Transportation Systems (ITS), roadway design, and infrastructure improvements, backed by a civil engineering foundation. Rodolfo has successfully managed high-profile CEI projects for FDOT, Florida's Turnpike Enterprise (FTE), and Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), demonstrating his ability to streamline project execution, enforce regulatory compliance, and deliver quality infrastructure solutions on time and within budget.

Broward County, Continuing Professional Services for Construction Engineering and Inspection (CEI) and Design Services for Roadway and Traffic Projects. This project includes CEI services for miscellaneous maintenance projects, such as bridge rehabilitation, roadway improvements, ADA improvements, stormwater drainage, cleaning, tree removal, and signing and pavement marking improvements. *Location: Broward County, FL. Dates: 2023-Ongoing. Reference: Adriana Toro, (954) 826-9127, atoro@broward.org*

Florida Department of Transportation (FDOT) District 4, CEI Contract for Various Locations along Boynton Beach Boulevard. CSS/ Assistant Project Administrator for this contract. He manages all project documentation, including photo documentation, quantity reviews, PrC, and MAC. The scope of work under this contract includes multiple improvements such as Maintenance of Traffic (MOT) using standard, special, and traffic control officers; erosion control measures like sediment barriers and inlet protection; concrete removal and installation of gravity walls, curbs, gutters, sidewalks, and driveways; asphalt work including milling, base installation, Superpave, and friction course application; lighting upgrades involving luminaires; pavement markings for detectable surfaces, painted surfaces, and bike lanes; signalization involving signal cables, aluminum poles, signal auxiliaries, vehicular and pedestrian signal detection, loop detectors, and loop assemblies; signing work including single-post, raised, painted, and thermoplastic markings, along with "sharrow" and bike lane markings; traffic monitoring involving sensors, loops, and cabinets; and utility adjustments for manholes, valve meter boxes, conduit, and pull/splice boxes. *Location: Boynton Beach, FL. Dates: 5/2024–Ongoing. HBC Fee: $7.1M. Reference: Woodler Blaise, CSM, (772) 579-2553, woodler.blaise@dot.state.fl.us. FM No.: 444079-1-52-01 (T4651). FA# D423036B (CAQ66).*

Rodolfo Caceres, PE, IMSA I

Miami-Dade County Water and Sewer Department (MDC-WASD), CEI Services for North Dade Waste Water Treatment Plant (NDWWTP) Effluent Pump Station - Electrical Building Improvements. Project Administrator for managing documentation, progress tracking, and contract compliance for the NDWWTP Effluent Pump Station Electrical Building Improvements, a critical component of Miami-Dade County's Ocean Outfall Legislation (OOL) compliance program. Supports the CEI team by coordinating with the contractor, County representatives, and inspectors to ensure timely submittals, RFI responses, and pay application processing. Maintains organized records for all field activities and monitors construction progress in accordance with the project schedule and scope, which includes demolition, site development, utility relocation, pipeline installation (16-inch reuse and 4-inch HVAC), and construction of a new electrical annex building with associated structural, mechanical, and electrical improvements. Assists in tracking the installation of upgraded pumps, switchgear, MCCs, and pump drives, ensuring documentation supports quality assurance and operational readiness. Provides administrative support to field staff for inspections and testing coordination, and helps facilitate compliance with County procedures and regulatory requirements Location: North Miami Beach, FL. Dates: 07/2024-Ongoing Reference: Sonia M. Sierra, Sonia.sierra@miamidade.gov, 786-552-8087.

Florida's Turnpike Enterprise (FTE), Systemwide Queue Warning on SR-91 & SR-429. Project Administrator for this project, which involves performing CEI services, including Intelligent Transportation System (ITS) inspections and ensuring the project is constructed in accordance with the FDOT's guidelines, plans, and specifications. This project includes the installation of Queue Warning Systems, including Closed-Circuit Television (CCTV) cameras, Microwave Vehicle Detection Systems (MVDSs), Dynamic Message Signs (DMSs), Fiber Optic Cable (FOC), Wrong-Way Vehicle Detection Systems (WWVDSs), and ancillary ITS devices, throughout SR-821/Homestead Extension of Florida's Turnpike (HEFT), SR- 91/Florida's Turnpike Mainline, and SR-429/Daniel Webster Western Beltway. Rodolfo's responsibilities include assuring the project is constructed in accordance with contract documents; assisting project personnel in solving problems during construction; communicating regularly with the contractor and CEI project personnel; reviewing daily work reports; coordinating the accurate tracking of pay item quantities; coordinating and negotiating pay item and extra work with the contractor; processing monthly estimates, monthly progress reports, work orders, and supplemental agreements; and managing construction progress meetings and meeting minutes. *Location: Broward, Palm Beach, Osceola, Orange, & Sumter Counties, FL. Dates: 7/2023–Ongoing. HBC Fee: $10.6M. Reference: Adam Massimo, (484) 883-1315, adam.massimo@dot.state.fl.us. Contract No.: 449253-3-52-01, 449253-3-52-02*.

Florida's Turnpike Enterprise (FTE), Replace GREAT System & Hexfoam Crash Cushions on SR-417. CSS/ Assistant Project Administrator for this project performing CEI services, including construction inspections and ensuring the project is constructed in accordance with the FDOT's guidelines, plans, and specifications. This project included the replacement of the GuardRail Energy-Absorbing Terminal (GREAT) System and twelve (12) hexfoam crash cushions on SR-417/Central Florida GreeneWay. Rodolfo's responsibilities include coordinating the accurate tracking of pay item quantities; pay item and extra work coordination and negotiation with the contractor; processing monthly estimates, work orders, supplemental agreements, field verification of stockpiled materials and related products at construction sites and contractor's staging areas; reviewing and processing stockpiled materials certifications; recording, analyzing, and reporting testing results and recommendations related to materials approval procedures; inputting and updating accurate and up-to-date MAC information; and verifying subcontractor compliance. *Location: Osceola County, FL. Dates: 7/2023-9/2023. Contract No.: E8U28. FM No. 442618-2-52-01. HBC Fee: $500K. Reference: Adam Massimo, (484) 883-1315, adam.massimo@dot.state.fl.us*.

CTQP Training History Report

Report for: Rodolfo Caceres
Trainee ID: 1000001853
TIN: C26272179****
Email: r******s@hbcengieering.com
Report Date: 12/28/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3002478	2021-03-31	2026-03-31
Asphalt Paving Level 1	3007473	2026-03-31	2026-10-15
Asphalt Paving Level 2	3007472	2021-10-15	2026-10-15
Final Estimates Level 1	3005543	2026-07-09	2026-07-23
Final Estimates Level 2	3005542	2021-07-23	2026-07-23
QC Manager	3012027	2022-04-26	2099-01-01

Pending Qualifications

No Matching Pending Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
Asphalt Paving - Level 1 - Proficiency Exam	MET	2021-03-31	2026-03-31
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2021-03-31	2026-03-31
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2021-10-15	2026-10-15
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2022-10-13	2027-10-13
Final Estimates - Level 1 - Written Exam Requirement	PASS	2021-07-09	2026-07-09
Final Estimates - Level 2 - Written Exam Requirement	PASS	2021-07-23	2026-07-23
QC Manager - Written Exam Requirement	PASS	2022-04-26	2027-04-26

Claudia Rodriguez, PE, EE, IMSA I

CEI Contract Support Specialist/ Resident Compliance Specialist



9 Years of Experience

Years with HBC
3 years

Education
Electrical Engineering
CUJAE, Polytechnical University of Havana
(07/14/2016)

Registration(s)
PE (FL) No. 98867
(05/14/2024)

TIN No. R36210493

Licenses & Certifications

FDOT CTQPs:

- Final Estimates Levels 1 and 2
- FDOT Advanced MOT
- Earthwork Construction Inspection Level 1

IMSA Traffic Signal I

IMSA/FOA Certified Fiber Optic Technician

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

Claudia is a seasoned Construction Project Manager with deep expertise in Construction Engineering and Inspection (CEI) and compliance monitoring on state and federally funded roadway and Intelligent Transportation System (ITS) projects. She has extensive experience in roadway project activities, such as milling and resurfacing, utility relocations, and sidewalk, drainage, signalization, lighting, and landscaping improvements. Claudia is experienced in overseeing all phases from preconstruction, plans review, construction, installation, and testing to final acceptance. Claudia ensures strict adherence to NEC Codes, CPAM, MUTCD, and FDOT standards, and any applicable local standards and specifications. She also manages daily reports, reviews scope changes, resolves Requests for Information (RFIs), assists the drafting of Requests for Proposals (RFPs), and oversees change orders, schedule updates, and payment applications, enhancing her capacity to produce accurate engineering estimates and maintain project compliance. With a strong track record overseeing ITS installations, including Closed-Circuit Television (CCTV) cameras and Dynamic Message Signs (DMS) across Florida's major highways, Claudia is highly skilled in contract negotiations, monthly estimates, and compliance reviews, ensuring each project meets technical and regulatory standards.

Palm Beach County (PBC), Cherry Rd from Military Trail to Quail Dr - Roadway, Sidewalk, & Pedestrian Lighting Improvements LAP Project. This LAP project involves the construction of an 8' sidewalk along the north side of Cherry Road, stretching from N. Military Trail to a point 120 feet west of Quail Drive. Additionally, a 6' 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 Bridge No. 934229. The scope of the project also includes milling and 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. *Location: Palm Beach County, FL. Dates: 03/2025-Ongoing. Contract No.:* 2021025. *Construction Fees: $1.2M. Reference: Dave West, (561) 684-4180, DWest1@pbc.gov.*

Florida's Turnpike Enterprise (FTE), System-Wide Queue Warning on SR-91 and SR-429. Claudia is serving the role of CSS/Assistant Project Administrator/Senior ITS Inspector for this project, which involves performing CEI services, including ITS inspections and ensuring the project is constructed in accordance with FDOT's guidelines, plans, and specifications. This project includes the installation of Queue Warning Systems, including Closed-Circuit Television (CCTV) cameras, Microwave Vehicle Detection Systems (MVDSs),

Claudia Rodriguez, PE, EE, IMSA I

Dynamic Message Signs (DMSs), Fiber Optic Cable (FOC), Wrong-Way Vehicle Detection Systems (WWVDSs), and ancillary ITS devices throughout SR-821/Homestead Extension of Florida's Turnpike (HEFT), SR- 91/Florida's Turnpike Mainline, and SR-429/Daniel Webster Western Beltway. *Locations: Broward, Palm Beach, Sumter, Orange, and Osceola Counties, FL. Dates: 2023-Ongoing. FM Nos.: 449253-3-52-01 & 449253-3-52-02. Contract No.: E8U32. Construction Cost: $10.6M. Reference: Adam Massimo, (484) 883-1315, adam.massimo@dot.state.fl.us.*

Ethernet Switch CBT

Fiber Design CBT

Adaptive Signal Control Technology (ASCT) Training

Languages
English and Spanish

***Prior to HBC**

Florida's Turnpike Enterprise (FTE), CEI Services for DMS Upgrade and Retrofit on SR-589 (2-8.4). Claudia is serving the role of Assistant Project Administrator/ITS Inspector for this project, which involves performing Construction Engineering and Inspection (CEI) services, including ITS inspections and ensuring the project is constructed in accordance with FDOT's guidelines, plans, and specifications. This project includes the replacement of front access and walk-in Dynamic Message Signs (DMSs) and associated infrastructure at various locations along SR-589/Veterans Expressway from MP 2 - MP 8.4. *Location: Hillsborough County, FL. Dates: 2023-2024. FM No. 449423-2-52-01. Contract No.: CAN81. Construction Cost: $4.8M. Reference: Yared Worku, (407) 264-3557, yared.worku@dot.state.fl.us.*

Florida's Turnpike Enterprise (FTE), CEI Services for DMS Upgrade and Retrofit on SR-91 (135-307) & SR-429 (2.6-9.8). Claudia is serving the role of Assistant Project Administrator/ITS Inspector for this project, which involves performing Construction Engineering and Inspection (CEI) services, including ITS inspections and ensuring the project is constructed in accordance with FDOT's guidelines, plans, and specifications. This project includes the replacement of walk-in Dynamic Message Signs (DMSs) and associated infrastructure at various locations along SR-91/Florida's Turnpike Mainline from MP 135 – MP 307 and SR-429/Daniel Webster Western Beltway from MP 2.6 – MP 9.8. *Location: Osceola County, FL. Dates: 2023-2024. FM No.: 449423-1-52-01. Contract No.: CAN81. Construction Cost: $4.3 M. Reference: Yared Worku, (407) 264-3557, yared.worku@dot.state.fl.us*

Broward County, Design Services of Adaptive Traffic Control Systems (ATCS) & Fiber Optic Network (FON) for Pine Island Rd from Orange Grove Dr to Cleary Blvd. Project Engineer for the design of a new Adaptive Traffic Control System (ATCS) for 9 signalized intersections along Pine Island Road from Orange Grove Drive to Cleary Boulevard. The design included 5 new sites for traffic signal cabinet replacements, allocating pull boxes and conduits for signalization cables, spare conduits for future expansion, and new Fiber Optic Cable (FOC) infrastructure. It also involved the installation of a hybrid (Radar/Video) detection system installed at the top of mast arms and strain poles and included a detection zone configuration for the future implementation of Automated Traffic Signal Performance Measures (ATSPM). *Location: Fort Lauderdale, FL. Dates: 2023-2024. Reference: Manuel Fontan, PE, (954) 577-4654, mfontan@broward.org*. Contract No: PNC2120376P1.

***Florida Department of Transportation (FDOT) District 6, SR-25/US-27/Okeechobee Rd from the Miami-Dade/Broward County Line to West of SR-821/Homestead Extension of Florida's Turnpike (HEFT).** ITS Construction Project Manager responsible for the installation of drilled shaft foundations, setting structures, adding Dynamic Message Sign (DMS) boards, and installing 15 power services, over 7 miles of Fiber Optic Cable (FOC), 18 Vehicle Detection Systems (VDSs), and 10 Closed-Circuit Television (CCTV) cameras. *Location: Miami-Dade County, FL. Dates: 2022-Ongoing. FM No.: 423251-2-52-01. Contract No.: T6508. Construction Cost: $2.5M. Reference: Yaser Sosa, (786) 712-3835, ysosa@halleyeng.com*

CTQP Training History Report

Report for: Claudia Rodriguez
Trainee ID: 1000005006
TIN: R36210493****
Email: C****************R@GMAIL.COM
Report Date: 11/25/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Final Estimates Level 1	3026191	2023-12-07	2028-12-07
Final Estimates Level 1	3027123	2028-12-07	2029-01-23
Final Estimates Level 2	3027122	2024-01-23	2029-01-23

Pending Qualifications

Qualification Name
Asphalt Paving Level 2
Earthwork Construction Inspection Level 1

Expired Qualifications

No Matching Expired Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2024-10-01	2029-10-01
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2024-10-01	2029-10-01
Final Estimates - Level 1 - Written Exam Requirement	PASS	2023-12-07	2028-12-07
Final Estimates - Level 2 - Written Exam Requirement	PASS	2024-01-23	2029-01-23

Scott Smith

Senior Inspector



28 Years of Experience

Years with HBC
3 years

Education
High School Diploma, Red Oak Community Senior High School, Iowa, (05/14/1982)

Registration(s)
TIN No. S53078564

Licenses & Certifications
Asphalt Levels 1 & 2

Earthwork Levels 1 & 2

Concrete Level 1

Concrete Level 2 (Scheduled)

Pile Driving

Drilled Shafts

Grouting Level 1 (Scheduled)

Post-Tensioning Level 2 (Scheduled)

ACI Concrete Field-Testing Technician – Grade 1, FDOT Concrete Field Specification

Hazmat/Nuclear Gauge Safety

FDOT Critical Structures Construction

FDOT Advanced MOT

Scott is a seasoned Construction Engineering and Inspection (CEI) Senior Bridge Inspector with extensive experience working with the Florida Department of Transportation (FDOT). His expertise spans the inspection of design-build roadway construction, milling and resurfacing, drainage improvements, signalization, utility conflicts and relocations, vertical construction, and Maintenance of Traffic (MOT). Scott has served as the Senior Inspector in primary control of CC2 construction projects, where he supervised multiple inspectors and was directly responsible for all inspection requirements related to construction operations.

Florida Department of Transportation (FDOT) District 4, Blue Heron Boulevard Bridge Rehabilitation. The improvements under this contract consist of, but are not limited to, MOT, floating turbidity barrier, bridge superstructure (partial deck replacement, spall restoration, crack injection, reinforcing steel, expansion joint, concrete removal), bridge substructure (bearing replacement), reef establishment, milling and resurfacing, concrete (traffic separator, median barrier), and pavement markings (removable tape, permanent tape, painted, thermoplastic, raised) along State Road A1A (Blue Heron Boulevard) at Bridge No. 930269 over the Intracoastal Waterway for 0.374 miles in the City of Riviera Beach, Palm Beach County. *Location: Riviera Beach, FL. Dates: 03/2023–11/2023. FM No. 445769-1-52-01. Reference: Bodler Barthelemy, PE, (561) 370-1127.*

***Florida Department of Transportation (FDOT) District 4, Sheridan Street Bascule Bridge Rehabilitation.** The project improvements included the rehabilitation of the Sheridan Street Bascule Bridge's major mechanical and electrical components, most notably, replacing hydraulic power units, refurbishing existing hydraulic cylinders, and replacing submarine conduit system. Other project improvements included recoating existing structural steel, non-slip bicycle lane plates, widened pedestrian sidewalk across bascule leaves, new pedestrian safety barrier wall, second story for control house, operator level and control house renovation, new backup generator system, bridge tender parking area, and milling and resurfacing. *Location: Broward County, FL. Dates: 5/2021–3/2023. FM No.: 441652-1-52-01. Construction Cost: $3/2018-1/2022. Reference: Tyler Furrey, EI, (954) 892-2362.*

***Florida Department of Transportation (FDOT) District 4, CEI Construction Services for Southern Boulevard Bridge Replacement.** This project includes replacing the existing bascule (draw) bridge and tide relief bridge over the Intracoastal Waterway (ICWW) and Lake Worth Lagoon between the Town of Palm Beach and the City of West Palm Beach. A temporary bridge was built north of the existing bridge to maintain traffic, while the replacement bascule bridge was under construction. New decorative lighting, pedestrian features, traffic signals, signage, and drainage were also included. Scott was responsible for verification, inspection, testing, and sampling of MSE walls, drilled shafts,

Scott Smith

pile driving, earthwork, concrete deck, traffic railing, and MOT. *Location: Palm Beach County, FL. FM No.: 419013-1-52-01. Reference: Geoffrey Parker, PE, (954) 325-6880.*

FEMA – Introduction to Incident Command System

FDEP Stormwater Management

IMSA Traffic Signal Inspector Level 1

***Prior to HBC**

***Florida Department of Transportation (FDOT) District 4, CEI Construction Services for Flagler Memorial Bascule Bridge Replacement, Roadway Improvements - Flagler Drive & SR-A1A.** The Flagler Memorial Bascule Bridge Replacement Project replaced the 75-year-old bascule (draw) bridge with a new bascule bridge connecting the Town of Palm Beach and the City of West Palm Beach over the Lake Worth Lagoon and the Intracoastal Waterway (ICWW). The Flagler Drive overpass was replaced with an "at-grade" intersection. New lighting, traffic signals, drainage, and landscaping were also included. The estimated construction cost was $107M. Scott was responsible for verification, inspection, and testing and sampling of MSE walls, drilled shafts, pile driving, earthwork, concrete deck, traffic railing, and MOT. *Location: Palm Beach County, FL. Dates: 6/2014–3/2018. FM No.: 412489-2-52-01. Reference: Scott Ryder, Project Manager, (305) 519-4710.*

***Florida Department of Transportation (FDOT) District 4, CEI Construction Services for Delray Beach Beautification Project – US-1 from SE 10th Street to George Bush Boulevard and Atlantic Avenue.** Scott was responsible for the inspection of density tests for pipe backfill and roadway widening, curb and sidewalk, and MOT. *Location: Palm Beach County, FL. Dates: 8/2013-2/2014. FM No.: 420412-1-58-01. Reference: Brian Hermany, Project Manager, (561) 370-1140.*

***Florida Department of Transportation (FDOT) District 4, CEI Construction Services for SR-710/Beeline Highway from West of Congress Avenue to Australian Avenue.** Scott was responsible for the inspection and testing of all phases of construction on this $12M, 0.8-mile roadway widening project, which involved widening SR-710/Beeline Highway from a 2-lane roadway to a 4-lane roadway. This included constructing 2 new lanes and reconstructing the 2 existing lanes. It also included drainage, retention swales, signalization, utility relocation, signing and pavement markings, curb and gutter, sidewalk, lighting, landscaping, and irrigation. *Location: Palm Beach County, FL. Dates: 2012–2014. Reference: Rob Cables, Project Manager, (561) 432-4966. FPID/FIN 229897-2-52-01*

***Florida Department of Transportation (FDOT) District 4, CEI Construction Services for Glades Grouping – SR-808/Glades Road from West of I-95 to NW 7th Avenue - SR-5/US-1 from North of Glades Road to South of Yamato Road – SR-804/Boynton Beach Boulevard from East of Hagen Ranch Road to West of Jog Road.** Scott was responsible for the inspection of concrete, asphalt, and earthwork. The scope of work consisted of milling and resurfacing, bridge widening to allow the addition of sidewalks, widening to provide bike lanes, pedestrian feature upgrades necessary for ADA compliance, traffic railing upgrades, signage, signing and pavement markings, signalized intersection improvements including video detection and pedestrian signal improvement, new mast arm installation with video detection, and landscaping enhancements. *Location: Palm Beach County, FL. Dates: 3/2011–8/2012. FM Nos.: 422910-1-62-01, 421684-1-62-01, & 422991-1-62-01. Reference: Jacques Beaubrun, Project Manager, (561) 432-4966.*

***Florida Department of Transportation (FDOT) District 4, CEI Construction Services for SR-A1A/Ocean Drive to the Martin County Line.** Scott was responsible for the inspection and testing of all phases of this 5.08-mile project, which involved milling and resurfacing, roadway reconstruction, drainage, sidewalk, signage, and landscaping. *Location: Palm Beach County, FL. Dates: 4/2010–3/2011. FM Nos.: 419653-1-62-01 & 419653-2-62-01. Reference: Teresa Driskell, Project Engineer, (772) 468-9329.*

CTQP Training History Report

Report for: Scott Smith
Trainee ID: 27441
TIN: S53078564****
Email: s****h@pinnaclecei.com
Report Date: 11/10/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3017611	2023-01-11	2028-01-11
Asphalt Paving Level 2	3012004	2022-04-20	2027-04-20
Drilled Shaft Inspection	3001427	2021-02-19	2026-02-19
Earthwork Construction Inspection Level 1	3010863	2022-03-22	2027-03-22
Earthwork Construction Inspection Level 2	3010862	2023-03-02	2028-03-02
Final Estimates Level 1	3021337	2023-05-23	2028-05-23

Pending Qualifications

No Matching Pending Qualification Records Found

Expired Qualifications

Qualification Name	Certificate Number	Valid from	Expired on
Asphalt Paving Level 1	N/A	2004-10-19	2009-10-19
Asphalt Paving Level 1	N/A	2009-08-24	2014-08-24
Asphalt Paving Level 1	N/A	2014-09-16	2019-09-16
Concrete Field Technician Level 1	N/A	2009-08-15	2014-08-15
Concrete Field Technician Level 1	N/A	2009-10-28	2014-10-28
Concrete Field Technician Level 1	N/A	2014-08-09	2019-08-09
Concrete Field Technician Level 1	3013350	2022-04-09	2024-10-09
Drilled Shaft Inspection	N/A	2015-04-25	2020-07-31
Earthwork Construction Inspection Level 1	N/A	2004-09-22	2009-09-22
Earthwork Construction Inspection Level 1	N/A	2009-11-20	2014-11-20
Earthwork Construction Inspection Level 1	N/A	2015-02-27	2020-02-27

Earthwork Construction Inspection Level 2	N/A	2018-03-02	2023-03-02
FDOT Concrete Field Inspector Specification	N/A	2019-10-09	2024-10-09
Final Estimates Level 1	N/A	2010-06-18	2015-06-18
Final Estimates Level 1	N/A	2015-07-07	2020-07-07
Pile Driving Inspection	N/A	2018-05-23	2023-05-23

Requirements

Requirement Name	Result	Valid from	Expired on
30 Days Experience on a Construction Project Involving Earthwork Operations	MET	1900-01-01	2099-01-01
90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	2022-04-09	2027-04-08
Asphalt Paving - Level 1 - Proficiency Exam	MET	2004-10-19	2009-10-19
Asphalt Paving - Level 1 - Proficiency Exam	MET	2009-08-24	2014-08-24
Asphalt Paving - Level 1 - Proficiency Exam	MET	2014-09-16	2019-09-16
Asphalt Paving - Level 1 - Proficiency Exam	MET	2022-09-06	2027-09-06
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2004-10-19	2009-10-19
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2009-08-24	2014-08-24
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2014-07-30	2019-07-30
Asphalt Paving - Level 1 - Written Exam Requirement	FAIL	2022-09-06	2027-09-06
Asphalt Paving - Level 1 - Written Exam Requirement	FAIL	2022-10-19	2027-10-19
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2023-01-11	2028-01-11
Asphalt Paving - Level 2 - Written Exam Requirement	FAIL	2017-11-03	2022-11-03
Asphalt Paving - Level 2 - Written Exam Requirement	FAIL	2017-12-14	2022-12-14
Asphalt Paving - Level 2 - Written Exam Requirement	FAIL	2018-01-24	2023-01-24
Asphalt Paving - Level 2 - Written Exam Requirement	FAIL	2018-04-18	2023-04-18
Asphalt Paving - Level 2 - Written Exam Requirement	FAIL	2022-02-24	2027-02-24
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2022-04-20	2027-04-20
Drilled Shaft Inspection - Proficiency Exam	MET	2015-04-25	2020-04-25

Drilled Shaft Inspection - Proficiency Exam	MET	2021-02-19	2026-02-19
Drilled Shaft Inspection - Written Exam Requirement	FAIL	2014-09-15	2019-09-15
Drilled Shaft Inspection - Written Exam Requirement	PASS	2014-10-22	2019-10-22
Drilled Shaft Inspection - Written Exam Requirement	PASS	2021-02-19	2026-02-19
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2004-09-22	2009-09-22
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2009-11-20	2014-11-20
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2015-02-27	2020-02-27
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2022-03-22	2027-03-22
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2004-09-22	2009-09-22
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	FAIL	2009-09-18	2014-09-18
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2009-10-20	2014-10-20
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2015-02-27	2020-02-27
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2022-03-22	2027-03-22
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2018-03-02	2023-03-02
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	FAIL	2023-01-26	2028-01-26
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2023-02-06	2028-02-06
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2009-10-28	2014-10-28
FDOT Concrete Field Inspector Specification - Written Exam Requirement	FAIL	2014-09-24	2019-09-24
FDOT Concrete Field Inspector Specification - Written Exam Requirement	FAIL	2014-11-08	2019-11-08
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2014-12-10	2019-12-10
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2019-10-09	2024-10-09

Final Estimates - Level 1 - Written Exam Requirement	PASS	2010-06-18	2015-06-18
Final Estimates - Level 1 - Written Exam Requirement	FAIL	2015-04-15	2020-04-15
Final Estimates - Level 1 - Written Exam Requirement	PASS	2015-07-07	2020-07-07
Final Estimates - Level 1 - Written Exam Requirement	FAIL	2023-03-03	2028-03-03
Final Estimates - Level 1 - Written Exam Requirement	PASS	2023-05-23	2028-05-23
Monitored 10 Drilled Shafts, at least 5 Shafts constructed with Wet Method	MET	1900-01-01	2099-01-01
Monitored 15 Driven Piles, at least 10 Piles driven with Open Diesel Hammers	MET	1900-01-01	2099-01-01
Nuclear Radiation Safety Certificate	MET	1900-01-01	2099-01-01
Pile Driving Inspection - Written Exam Requirement	FAIL	2018-03-17	2023-03-17
Pile Driving Inspection - Written Exam Requirement	PASS	2018-05-23	2023-05-23

Jeffrey Behari, IMSA I

Senior Inspector



8 Years of Experience

Years with HBC
2 years

Education
Hollywood Hills High School Diploma (08/16/1995)

Registration(s)
TIN No. B60042176

Licenses & Certifications
FDOT CTQP:

Asphalt Paving Levels I & II

Earthwork Construction Inspector Levels I & II

Concrete Field Technician - Level 1 – Expired 4/2023 – Currently Under Recertification

FDOT Advanced MOT Certificate #611780

FDOT Temporary Traffic Control (TTC): Intermediate Certificate #608686

Portable Nuclear Gauge Safety & Hazmat #10818-163-483-4149

OSHA 10-Hour Construction Safety and Health #26-007392874

MSE (Mechanically Stabilized Earth) Wall Inspector CBT

Jeffrey has significant experience working in the Construction Engineering and Inspection (CEI) Industry as a quality control and verification field CEI Senior Inspector. Jeffrey's private sector experience includes 5 years in the Quality Assurance/Quality Control (QA/QC) and Visual Testing (VT) field of asphalt, where he performed asphalt coring and soil testing and sampling. Jeffrey also has a deep understanding of Milling and Resurfacing (M&R) and road rehabilitation and maintenance techniques. His proficiency also extends to a range of other construction activities, including concrete coring, testing, and sampling, earthwork, Maintenance of Traffic (MOT), clearing and grubbing, sediment barrier installation, drainage system implementation, regular excavation, guardrail installation, lighting, signalization, sound wall construction, and the application of Signing and Pavement Marking (S&PM). Jeffrey also spent 4 years working within FDOT District 5. He also performed inspections for the Greater Orlando Aviation Authority (GOAA). During his time in those roles, Jeffrey gained extensive experience maintaining logbooks, testing, sampling concrete, and coring concrete samples. Jeffrey's expertise also encompasses specialized tasks, such as borrow excavation, embankment construction, and the installation of fencing and sod. He is well-versed in the oversight of multiple facets of construction projects, ensuring efficient progress and adherence to safety standards. In addition to his hands-on involvement in construction activities, Jeffrey adeptly prepares daily work reports, compiling VT Asphalt Reports, and analyzing IV Cores data for quality control purposes.

Palm Beach County (PBC), Seminole Blvd Multi-Use Trail and Pedestrian Lighting from Oswego Ave to Okeechobee Blvd LAP Project. Construction Engineering and Inspection (CEI) Senior Inspector for the upgrade of the lighting aesthetics with designer poles, widening of the concrete sidewalks on the east and west sides of the corridor from 6' to 12' to accommodate pedestrians and cyclists alike, upgrades to the drainage system including the addition of 30" and 18" French drains and supplemental manhole structures, Milling and Resurfacing (M&R) throughout the project limits, implementation of steel guide rails and full-width detectable surfaces to meet ADA requirements, and lighting improvements. HBC personnel managed the project to ensure compliance with the daily reports, photo documentation, Maintenance of Traffic (MOT) and Stormwater Pollution Prevention Plan (SWPPP) checks, biweekly meetings, resolution of change orders and Requests for Information (RFIs), and that all submittals into GAP conform with the LAP requirements. *Location: West Palm Beach, FL. Dates: 9/2024-Ongoing. Contract Amount: $1.8M. Reference: Zachary King, (561) 684-4178, zking@pbcgov.org.*

Palm Beach County (PBC), CEI Services for the SR-7/US-441 and Weisman Way Intersection Improvements. Construction Engineering and Inspection (CEI) Senior Inspector responsible for overseeing construction activities on the SR-7/US-441 and Weisman Way Intersection Improvements

Jeffrey Behari, IMSA I

project. Jeffrey's responsibilities included ensuring quality control and compliance with project specifications across all phases of construction. The scope encompassed the inspection of Milling and Resurfacing (M&R) operations on Weisman Way west of SR-7/US-441, including areas of overbuild to achieve proper pavement structure; verification of roadway widening between the Walmart driveway and SR-7/US-441 on both the north and south sides to confirm adherence to approved design tolerances; oversight of sidewalk and curb construction for conformance with ADA and safety standards; monitoring of drainage improvements to verify the correct installation and function of structures for effective stormwater management; inspection of new street lighting systems to ensure proper placement and illumination; coordination of signalization upgrades to confirm operational efficiency and compliance with Traffic Control Plans (TCPs); and review of pavement markings for accuracy, visibility, and regulatory compliance. *Location: West Palm Beach, FL. Dates: 2022. HBC Fee: $33K. Reference: Zachary King, (561) 684-4178. Contract No.: 20212051-CSA*.

Final Estimate Level 1 Course CBT

TC3CN042 Guardrail Series Installation and Inspection CBT

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

IMSA Traffic Signal Technician Level I

***Prior to HBC**

Palm Beach County (PBC), Westgate Ave from Wabasso Dr to Congress Ave. Construction Engineering and Inspection (CEI) Senior Roadway Inspector for this project, which involves the lane repurposing of Westgate Avenue from Wabasso Drive to Congress Avenue. This initiative aims to transform the current 5-lane configuration into 3 lanes to enhance safety and accessibility for all road users. The key project features include the addition of designated bike lanes to promote cycling as a safe transportation option and the widening of sidewalks to improve pedestrian access. Additionally, the project encompasses utility relocations, the installation of a new storm drain system, Milling and Resurfacing (M&R) of the existing roadway, pedestrian improvements, and new landscaping. This comprehensive redesign not only addresses traffic flow, but also supports the community's goals for sustainable transportation and active lifestyles. This project represents a significant investment in infrastructure that prioritizes safety, mobility, and community well-being. *Location: Palm Beach County, FL. Dates: 3/2024-Ongoing.*

Palm Beach County (PBC), Lyons Rd/Sansbury Way from Forest Hill Blvd to Okeechobee Blvd. Construction Engineering and Inspection (CEI) Senior Roadway Inspector for this project, which focuses on constructing separated bicycle lanes from Forest Hill Boulevard to Okeechobee Boulevard. This initiative aims to enhance safety and promote cycling as a viable transportation option. The key project components include utility relocations, alterations to the drainage system, Milling and Resurfacing (M&R) the roadway, and enhancements to sidewalks to ensure ADA compliance. Additionally, pedestrian improvements, application of thermoplastic paint for lane markings, and new landscaping will contribute to the overall aesthetic and functionality of the area. This comprehensive project not only prioritizes safe cycling and walking environments, but also supports the community's commitment to sustainable and accessible transportation solutions. *Location: Palm Beach County, FL. Dates: 1/2024-3/2024.*

Palm Beach County (PBC), CEI Services for CR-A1A Improvements. This project involved the installation of pedestrian crossings and associated foundations, signals, and Signing and Pavement Marking (S&PM) on CR-A1A. Jeffrey's duties also involved Milling and Resurfacing (M&R), recording asphalt slopes, preparing asphalt reports and daily work reports, and performing Maintenance of Traffic (MOT) and Stormwater Pollution Prevention Plan (SWPPP) checks to conform with the National Pollutant Discharge Elimination Sytem (NPDES) regulations. *Location: Palm Beach County, FL. Dates: 5/2023-Ongoing.*

CTQP Training History Report

Report for: Jeffrey Behari
Trainee ID: 59817
TIN: B60042176****
Email: J*****I@HBCENGINEERINGCO.COM
Report Date: 11/25/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3020748	2023-05-06	2028-05-06
Asphalt Paving Level 1	3034131	2028-05-06	2029-09-24
Asphalt Paving Level 2	3033965	2024-09-24	2029-09-24
Concrete Field Technician Level 1	3042410	2025-07-12	2028-06-02
Earthwork Construction Inspection Level 1	3008729	2022-01-04	2027-01-04
Earthwork Construction Inspection Level 2	3037620	2025-02-27	2030-02-27

Pending Qualifications

Qualification Name
Earthwork Construction Inspection Level 1

Expired Qualifications

Qualification Name	Certificate Number	Valid from	Expired on
Asphalt Paving Level 1	N/A	2016-07-18	2021-07-18
Concrete Field Technician Level 1	N/A	2016-01-09	2021-01-09
Earthwork Construction Inspection Level 1	N/A	2016-06-28	2021-06-28
Earthwork Construction Inspection Level 2	N/A	2017-10-06	2022-10-06

Requirements

Requirement Name	Result	Valid from	Expired on
30 Days Experience on a Construction Project Involving Earthwork Operations	MET	1900-01-01	2099-01-01

90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	2025-07-12	2030-07-11
Asphalt Paving - Level 1 - Proficiency Exam	MET	2016-07-18	2021-07-18
Asphalt Paving - Level 1 - Proficiency Exam	MET	2023-04-28	2028-04-28
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2016-07-18	2021-07-18
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2023-05-06	2028-05-06
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2024-09-24	2029-09-24
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2016-06-28	2021-06-28
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2022-01-04	2027-01-04
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2016-06-28	2021-06-28
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2022-01-04	2027-01-04
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2017-10-06	2022-10-06
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2025-02-27	2030-02-27
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2018-04-19	2023-04-19
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2023-06-03	2028-06-03
Nuclear Radiation Safety Certificate	MET	1900-01-01	2099-01-01

Luis Membreno, IMSA I

Senior Inspector



17 Years of Experience

Years with HBC
2 year

Education
Plant Health and Agroecology, National Agrarian University (10/31/2015)

Quality Management, National Agrarian University (05/16/2015)

Project Service Management, Egyptian International Centre for Agriculture (06/15/2013)

Seed Science and Technology, Federal University of Pelotas (11/23/2012)

Agronomist Bachelor of Science in Agriculture Engineering, National Autonumous University of Nicaragua (01/29/2008)

Registration(s)
TIN No. M51652583

Licenses & Certifications
IMSA Level I

FDOT CTQP:

- Earthwork Levels 1 and 2
- Asphalt Levels 1 and 2
- Concrete Field Technician

Luis has significant experience working in the Construction Engineering and Inspection (CEI) Industry as a quality control and verification field CEI Senior Inspector. This experience has allowed him the ability to handle diverse construction operations, including asphalt coring, soil testing, and sampling. Luis also has a deep understanding of milling & resurfacing, road rehabilitation, and maintenance techniques. His proficiency also extends to a range of other construction activities, including preparing daily work reports utilizing PrC; compiling VT Asphalt Reports; analyzing IV Cores data for quality control purposes; concrete coring, testing, and sampling; earthwork; verifying contractor-installed quantities; and Maintenance of Traffic (MOT). He is also well-versed in the oversight of multiple facets of construction projects, such as ITS components, directional drilling, and electrical infrastructure. Luis is intimately familiar with handling project closeout documentation, including comprehensive punch lists, which underscores his organizational skills and meticulous approach.

Palm Beach County (PBC), PBC LAP Project # 2021025 - Cherry Road Military Trail to Quail Drive - Roadway, Sidewalk, & Pedestrian Lighting Improvements Project. 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. Luis' duties as CEI Sr. Inspector are Duties also include 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. *Location: Palm Beach County, FL. Dates: 03/2025 - Ongoing. Contract No.:* 2021025. *Construction Fees: $1.2M. Reference: Dave West, (561) 684-4180, DWest1@pbc.gov.*

Palm Beach County (PBC), Construction Engineering and Inspection (CEI) Annual Services Contract, Task Work Order 5: Donald Ross Rd Bascule Bridge Project. Senior Inspector for inspection, and materials sampling and testing for the replacement of hydraulic, electrical, and mechanical equipment for the existing Donald Ross bascule bridge structure. He is performing all the services necessary to properly coordinate the activities of all parties involved in completing the project, which includes maintaining complete and accurate records of all activities and events relating to the Project; properly documenting all significant project

Luis Membreno, IMSA I

changes; assisting the county with interpreting plans, specifications, and construction contract provisions; making recommendations to the County to resolve disputes; and maintaining an adequate level of surveillance of the Contractor's activities. *Location: Palm Beach County, FL. Dates: 12/2023–07/2024. PBC Project No.: 2018510. Contract No. 2021052. Task Work Order No. 5. Reference: Bruno Torres, MBA, CGC, (954)-294-8582, btorres@mehtaeng.com.*

Palm Beach County (PBC), Seminole Pratt Whitney Rd from Orange Blvd. to South of Northlake Blvd. Senior Inspector for overseeing the widening of Seminole Pratt Whitney Road from Orange Boulevard to Northlake Boulevard, ensuring construction activities meet all project specifications, safety standards, and regulatory requirements. The project involves expanding the roadway from two to four lanes, with a new typical section designed to improve capacity and safety. Responsibilities include inspecting drainage enhancements, intersection upgrades, sidewalk and pedestrian lighting installations, signalization, and pavement marking and signing. Duties also include 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. Oversight includes continuous surveillance of contractor operations to ensure adherence to contract requirements and overall project goals. *Location: Palm Beach County, FL. Dates: 9/2024 - Ongoing. PBC Project No.: 19975110 & 1997512A3. Contract No. 2021052 - CSA. Reference: Zachary King, (561) 684-4178, zking@pbcgov.org.*

– Level 1

• Final Estimate 1

• Drilled Shaft Inspection

• Pile Driving Inspection (Written Exam)

FDOT Advanced MOT

Stormwater & Sedimentation Control

Nuclear Gauge Safety

ACI Concrete Level 1

OSHA Safety Training

RWP CST (SFRTA)

Languages
English and Spanish

***Prior to HBC**

Palm Beach County (PBC), Cherry Road from Military Trail to Quail Drive. Senior Inspector for overseeing engineering support services for roadway improvements along Cherry Road, from Military Trail to Quail Drive, in Palm Beach County. This work is performed under a subcontract with BCC Engineering, LLC as part of CSA No. 6, authorized through Amendment No. 5 to the Master Agreement dated April 27, 2022. Responsibilities include reviewing construction-related documentation, coordinating with contractors and inspectors, monitoring compliance with plans and specifications, and facilitating timely resolution of field issues. The project scope includes upgrades to traffic operations, drainage improvements, and pedestrian safety enhancements. This role supports Palm Beach County's efforts to modernize its roadway infrastructure by ensuring construction activities align with design intent, regulatory requirements, and schedule milestones. The total authorized amount for this amendment is $59,124.00, covering all labor, materials, direct costs, and associated fees related to construction administration services. *Location: Westgate, FL. Dates: 6/2024 - Ongoing. Contract No.:* 2021025. *HBC Fees: $60K. Reference: Eugenio Ochoa, (605) 670-2350, eochoa@bcceng.com.*

Palm Beach County (PBC), Westgate Ave from Wabasso Dr to Congress Ave. CEI Senior Roadway Inspector for the the Westgate Avenue project in Palm Beach County, which involves the lane repurposing of Westgate Ave nue from Wabasso Drive to Congress Avenue. This initiative aims to transform the current five-lane configuration into three lanes to enhance safety and accessibility for all road users. Key features of the project include the addition of designated bike lanes to promote cycling as a safe transportation option and the widening of sidewalks to improve pedestrian access. Additionally, this project encompasses utility relocations, the installation of a new storm drain system, milling and resurfacing of the existing roadway, pedestrian improvements, and new landscaping. *Location: Palm Beach County, FL. Dates: 3/2024-Ongoing.*

CTQP Training History Report

Report for: Luis Membreno
Trainee ID: 1000002278
TIN: M51652583****
Email: l**********4@hotmail.com
Report Date: 12/12/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3005934	2021-08-09	2026-08-09
Asphalt Paving Level 2	3028832	2024-03-22	2029-03-22
Concrete Field Technician Level 1	3015174	2022-08-25	2027-06-25
Drilled Shaft Inspection	3027260	2024-01-26	2029-01-26
Earthwork Construction Inspection Level 1	3006874	2021-09-24	2026-09-24
Earthwork Construction Inspection Level 2	3012684	2022-05-26	2027-05-26
Final Estimates Level 1	3027380	2024-02-01	2029-02-01

Pending Qualifications

Qualification Name
Pile Driving Inspection

Expired Qualifications

No Matching Expired Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
30 Days Experience on a Construction Project Involving Earthwork Operations	MET	1900-01-01	2099-01-01
90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	2022-06-25	2027-06-24
Asphalt Paving - Level 1 - Proficiency Exam	MET	2021-08-09	2026-08-09
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2021-08-09	2026-08-09
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2024-03-22	2029-03-22
Drilled Shaft Inspection - Proficiency Exam	MET	2024-01-26	2029-01-26
Drilled Shaft Inspection - Written Exam Requirement	PASS	2024-01-26	2029-01-26

Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2021-09-24	2026-09-24
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2021-09-24	2026-09-24
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2022-05-26	2027-05-26
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2022-08-25	2027-08-25
Final Estimates - Level 1 - Written Exam Requirement	PASS	2024-02-01	2029-02-01
Monitored 10 Drilled Shafts, at least 5 Shafts constructed with Wet Method	MET	1900-01-01	2099-01-01
Nuclear Radiation Safety Certificate	MET	1900-01-01	2099-01-01
Pile Driving Inspection - Written Exam Requirement	PASS	2024-03-14	2029-03-14

Francisco Rodriguez

CEI Inspector



27 Years of Experience

Years with HBC
2 years

Education
B.S. in Civil Engineering, Universidad de Camaguey (07/18/1995)

Registration(s)
TIN No. R36224066

Licenses & Certifications

FDOT Advanced MOT
FDOT CTQP:

- Drilled Shaft
- 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
- Final Estimates Level 1 CBT

***Prior to HBC**

Francisco is a highly experienced Construction Engineering and Inspection (CEI) Inspector with a background as a Construction Superintendent. Since 2014, he has worked on many Florida Department of Transportation (FDOT), Broward County, and Palm Beach County projects. He has demonstrated extensive experience providing verification of completed roadway work in accordance with contract documents, plans, and applicable national standards, including the Manual on Uniform Traffic Control Devices (MUTCD)and National Fire Protection Association (NFPA) 70 and 780, as well as FDOT and Broward County standard plans and specifications. He was responsible for more than 400 drilled shaft operations, installation of building structures, underground infrastructure, electrical infrastructure, Closed-Circuit Television (CCTV) camera pole installation, and overhead structures installation. He specializes in Intelligent Transportation System (ITS) infrastructure and the installation of toll gantries on both the mainlines and the ramps. He also has a vast understanding of low voltage and high voltage electricity, all safety requirements, and civil engineering to oversee the complexities of any project.

***Broward County, CEI Services for Intelligent Transportation Systems (ITS) Annual Services Contract - Wiles Rd between SR-7 and I-95.** Francisco was the Construction Engineering and Inspection (CEI) Senior Inspector on the Wiles Road between SR-7 and I-95 project under this ITS contract, and played a crucial role in ensuring the successful completion of this project. His responsibilities included overseeing and inspecting all construction activities to ensure compliance with project plans, specifications, and regulations. Francisco was tasked with conducting regular site visits, reviewing quality control procedures, monitoring the progress of construction work, and producing daily reports with photo documentation. Additionally, Francisco was responsible for coordinating with contractors, engineers, and other project stakeholders to address any issues that arose during the construction process. He played a key role in ensuring that this project was completed on time, within budget, and to the highest quality standards. With his extensive experience and expertise in CEI, Francisco was instrumental in ensuring the successful delivery of this Wiles Road project, contributing to the improvement of transportation infrastructure in Broward County.

***Broward County, CEI Services for Intelligent Transportation Systems (ITS) Annual Services Contract – Coconut Creek Pkwy between SR-7 and I-95.** Francisco was the Construction Engineering and Inspection (CEI) Senior Inspector on this Coconut Creek Parkway between SR-7 and I-95 project, and played a crucial role in ensuring the successful completion of this project. His responsibilities included overseeing and inspecting all construction activities, such as milling and resurfacing, ITS components, ADA compliance, sidewalks, traffic signal, pedestrian improvements, and Maintenance of Traffic (MOT), to ensure compliance with project plans,

specifications, and regulations. Additionally, Francisco was tasked with conducting regular site visits, reviewing quality control procedures, monitoring the progress of construction work, and producing daily reports with photo documentation.

***Broward County, CEI Services for Intelligent Transportation Systems (ITS) Annual Services Contract – Cypress Creek Rd from Commercial Blvd and NW 31st Ave to Cypress Creek Rd and SR-811.** Francisco was the Construction Engineering and Inspection (CEI) Senior Inspector on this Cypress Creek Road from Commercial Boulevard and NW 31st Avenue to Cypress Creek Road and SR-811 project, and played a crucial role in ensuring the successful completion of this project. His responsibilities included overseeing and inspecting all construction activities to ensure compliance with project plans, specifications, and regulations. Francisco was tasked with conducting regular site visits, reviewing quality control procedures, monitoring the progress of construction work, and producing daily reports with photo documentation. Additionally, Francisco was responsible for coordinating with contractors, engineers, and other project stakeholders, to address any issues that arose during the construction process. He played a key role in ensuring that this project was completed on time, within budget, and to the highest quality standards. With his extensive experience and expertise in CEI, Francisco was instrumental in ensuring the successful delivery of this Cypress Creek project, contributing to the improvement of transportation infrastructure in Broward County.

***Broward County, CEI Services for Intelligent Transportation Systems (ITS) Annual Services Contract - Wiles Rd between Coral Springs and SR-7.** Francisco was the Construction Engineering and Inspection (CEI) Senior Inspector on this Wiles Road between Coral Springs and SR-7 project, and played a crucial role in ensuring the successful completion of this project. His responsibilities included overseeing and inspecting all construction activities to ensure compliance with project plans, specifications, and regulations. Francisco was tasked with conducting regular site visits, reviewing quality control procedures, monitoring the progress of construction work, and producing daily reports with photo documentation. Additionally, Francisco was responsible for coordinating with contractors, engineers, and other project stakeholders to address any issues that arose during the construction process. He played a key role in ensuring that this project was completed on time, within budget, and to the highest quality standards. With his extensive experience and expertise in CEI, Francisco was instrumental in ensuring the successful delivery of this Wiles Road project, contributing to the improvement of transportation infrastructure in Broward County.

Florida Department of Transportation (FDOT) District 1, I-75 at Pine Ridge Rd Interchange Improvements. Senior Intelligent Transportation System (ITS) Inspector responsible for overseeing the inspection, testing, and verification of ITS infrastructure and signalization elements during the reconstruction of the I-75 at Pine Ridge Road interchange, as part of the Moving Florida Forward Infrastructure Initiative. Responsibilities included monitoring the installation of new signal systems at the ramps, drilled shaft inspections, controller cabinet rework inspections, Horizontal Directional Drilling (HDD) and/or open trench installation of conduit, ensuring conformance with FDOT standards and project specifications, and coordinating with contractors to verify the proper integration with pedestrian and bicycle accommodations through the new Diverging Diamond Interchange (DDI). His role also involves the field inspection of ITS components associated with interchange ramp reconstruction, resurfacing along Pine Ridge Road, and reviewing work zone traffic control to support the safe and efficient execution of multimodal improvements. *Locations: Broward, Palm Beach, Sumter, Orange, and Osceola Counties, FL. Dates: 2023 - Ongoing. FM Nos.: 445296-1 . Contract No.: E8U32. Construction Cost: $27.5M. Reference: Travis Bennett, Travis.Bennett@dot.sate.fl.us, 239-707-1585*

CTQP Training History Report

Report for: Francisco Rodriguez
Trainee ID: 3394
TIN: R36224066****
Email: F********Z@RADISE.COM
Report Date: 11/10/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Mix Designer	N/A	2019-06-19	2099-01-01
Asphalt Paving Level 1	3031319	2024-06-19	2029-06-19
Asphalt Paving Level 2	3031318	2024-06-19	2029-06-19
Asphalt Plant Level 1	3005754	2021-08-08	2026-08-08
Asphalt Plant Level 2	3006054	2021-09-07	2026-09-07

Pending Qualifications

No Matching Pending Qualification Records Found

Expired Qualifications

Qualification Name	Certificate Number	Valid from	Expired on
Asphalt Paving Level 1	N/A	2000-12-06	2005-12-05
Asphalt Paving Level 1	N/A	2014-06-19	2019-06-19
Asphalt Paving Level 1	N/A	2014-06-19	2024-06-19
Asphalt Paving Level 2	N/A	2009-11-19	2014-11-19
Asphalt Paving Level 2	N/A	2014-06-19	2019-06-19
Asphalt Paving Level 2	N/A	2014-06-19	2024-06-19
Asphalt Plant Level 1	N/A	2001-12-14	2006-12-14
Asphalt Plant Level 1	N/A	2016-08-08	2021-08-08
Asphalt Plant Level 2	N/A	2002-05-30	2007-05-30
Asphalt Plant Level 2	N/A	2016-09-07	2021-09-07
Earthwork Construction Inspection Level 1	N/A	2014-08-19	2019-08-19

Requirements

Requirement Name	Result	Valid from	Expired on
90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
90 Days Experience Asphalt Plant Operations or Asphalt Mix Testing	MET	1900-01-01	2099-01-01
Asphalt Mix Designer - Written Exam Requirement	PASS	2019-06-19	2099-01-01
Asphalt Paving - Level 1 - Proficiency Exam	MET	2000-12-06	2005-12-06
Asphalt Paving - Level 1 - Proficiency Exam	MET	2005-12-05	2010-12-05
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2000-12-06	2005-12-06
Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2005-12-07	2010-12-07
Asphalt Paving - Level 2 - Written Exam Requirement	FAIL	2009-05-29	2014-05-29
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2009-11-19	2014-11-19
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2014-06-19	2019-06-19
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2019-06-06	2024-06-06
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2024-06-18	2029-06-18
Asphalt Plant - Level 1 - Proficiency Exam	MET	2001-12-14	2006-12-14
Asphalt Plant - Level 1 - Proficiency Exam	MET	2007-03-29	2012-03-29
Asphalt Plant - Level 1 - Proficiency Exam	MET	2016-08-08	2021-08-08
Asphalt Plant - Level 1 - Proficiency Exam	MET	2021-08-04	2026-08-04
Asphalt Plant - Level 1 - Written Exam Requirement	PASS	2001-12-14	2006-12-14
Asphalt Plant - Level 1 - Written Exam Requirement	PASS	2007-03-29	2012-03-29
Asphalt Plant - Level 1 - Written Exam Requirement	PASS	2016-08-08	2021-08-08
Asphalt Plant - Level 1 - Written Exam Requirement	PASS	2021-08-04	2026-08-04
Asphalt Plant - Level 2 - Written Exam Requirement	FAIL	2002-04-25	2007-04-25
Asphalt Plant - Level 2 - Written Exam Requirement	PASS	2002-05-30	2007-05-30
Asphalt Plant - Level 2 - Written Exam Requirement	FAIL	2007-05-14	2012-05-14
Asphalt Plant - Level 2 - Written Exam Requirement	PASS	2007-09-13	2012-09-13
Asphalt Plant - Level 2 - Written Exam Requirement	PASS	2016-09-07	2021-09-07
Asphalt Plant - Level 2 - Written Exam Requirement	PASS	2021-08-16	2026-08-16
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2014-08-19	2019-08-19

Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2014-08-19	2019-08-19
Nuclear Radiation Safety Certificate	MET	1900-01-01	2099-01-01

Jay McGuinness, IMSA I

CEI Inspector

Jay has significant Construction Engineering and Inspection (CEI) experience in the highway construction industry. He has worked with Florida Department of Transportation (FDOT) qualified contractors and understands the various items of required work. Jay has also developed an intimate knowledge of FDOT standards plans and specifications. As an experienced CEI Inspector, Jay is a dependable team player with a proven track record of success in roadway, earthwork, utilities, drainage, and general infrastructure. He has a meticulous attention to detail and a proactive mindset. Jay is always seeking opportunities to improve processes and workflows for the benefit of the team and project. Jay is conscientious, hardworking, and excels at multitasking in fast-paced environments.

Miami-Dade County Water and Sewer Department (MDC-WASD), CEI Services for North District Wastewater Treatment Plant (NDWWTP) Effluent Pump Station - Electrical Building Improvements. CEI Inspector responsible for monitoring construction activities and ensuring compliance with project plans, specifications, and applicable codes for this project, which is a key component of MDC's Ocean Outfall Legislation (OOL) Program. Jay performed daily site inspections, documented work progress, verified materials and workmanship, and coordinated with contractors to resolve field issues promptly. This project included significant site development and utility work, such as clearing and grubbing, demolition, monitoring well relocation, earthwork, milling and resurfacing, new pavement, sidewalks, and concrete restoration. Jay oversaw the installation of key pipelines, including a 16" diameter reuse line and a 4" Heating, Ventilation, and Air Conditioning (HVAC) line; inspected structural and architectural elements related to the construction of a new electrical annex building, including concrete foundations, columns, staircases, and associated infrastructure; monitored mechanical and electrical improvements involving new effluent pumps; and upgraded electrical switchgear, motor control centers, pump drives, and re-routed controls. This $39M–$47M project supports the future delivery of treated effluent to a High-Level Disinfection (HLD) facility and injection wells, advancing MDC's environmental goals. *Location: North Miami Beach, FL. Dates: 7/2024 - Ongoing. Construction Cost: $47M. Reference: Sonia M. Sierra, (786) 552-8087, sonia.sierra@miamidade.gov. Contract No.: S-958.*

***Florida Department of Transportation (FDOT) District 1, SR-630/ US-98 from East of Old Stokes Rd to US-27 RRR Project.** CEI Inspector for this Resurfacing, Restoration, and Rehabilitation (RRR) project in Polk County, which involves extending the useful service life of the existing roadway. Improvements include reducing the existing 12' lanes to 11' to provide 6' paved shoulders, adding cross-drain pipes to improve drainage, utility relocations, extending the left turn lane, and constructing a traffic separator that will close the existing median opening on SR-630/US-98 just

10 Years of Experience

Years with HBC
1 year

Education
High School Diploma, Quincy Vocational Technical High School, (1981)

Registration(s)
TIN No. M25243862

Licenses & Certifications
Advanced MOT Certification # 74464

Hazmat Certification

Nuclear Gauge Safety Certification

FDOT CTQP Earthwork Tech Level 1

FDOT CTQP Asphalt Paving Level 1

FDOT CTQP Metro Florida Safety Level 1

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

IMSA Signal Level 1 Class Scheduled

Expertise
Team Building, Policy Enforcement, Staff

Jay McGuinness, IMSA I

railroad tracks west of US-27. This work requires SR-630/US-98 to close completely with traffic detoured for approximately two weeks. *Location: Frostproof, FL. Dates: 2024–2025. Reference: Michael Schawe, (407) 687-8148, mschawe@hbcengineeringco.com.*

Management, Strategic Planning, Training and Development, and Goal Orientation.

*** Prior to HBC**

***Maintenance of Traffic (MOT) Supervisor and Project Foreman.** Jay was responsible for the day to night oversight of multiple work crews, and assisting with and monitoring roadwork, paving, signing and pavement markings, drilled shafts, mast arm uprights and installations, signalization, conduit for signals, pull box installation, pulling wire for same, signal controller box foundation and cabinet installations, and tracking daily quantities for the work in progress. In addition, Jay coordinated the daily work of subcontractors to avoid conflicts with other work crews, and was responsible for the closing and opening of lanes and/or work areas, per FDOT Standard 600 Index. *Location: Southwest Ranches, FL. Dates: 2018–2023. Reference: Asphalt Paving Company, (954) 680-8005.*

***Loader Operator/Maintenance of Traffic (MOT).** Jay performed day to night operations, loaded and hauled materials on and off the job sites, performed earthwork, including subgrade, lime rock, and grading; laid drainage pipe, backfilled trenches, compacted backfill, assisted with densities, and closed and opened lanes and/or work areas, per FDOT Standard 600 Index, including MAS systems. *Location: West Palm Beach, FL. Dates: 2016–2018. Reference: (561) 793-9400.*

***Loader Operator/Maintenance of Traffic (MOT).** Jay worked on the Hillsboro Canal Beautification Project. Jay loaded trucks and barges with excavated materials, fueled and lubricated equipment, installed TRM, graded canal banks, installed drainage and outfalls to Hillsboro Canal, and closed and opened lanes and/or work areas, per FDOT Standard 600 Index. *Location: West Palm Beach, FL. Dates: 2013–2016. Reference: (561) 965-2198.*

CTQP Training History Report

Report for: Jay Mcguinness
Trainee ID: 1000004796
TIN: M25243862****
Email: J**********S@RSANDH.COM
Report Date: 11/25/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3024809	2023-10-11	2028-10-11
Asphalt Paving Level 1	3029887	2028-10-11	2029-01-10
Asphalt Paving Level 2	3026807	2024-01-10	2029-01-10
Concrete Field Technician Level 1	3031315	2024-06-14	2029-04-19
Earthwork Construction Inspection Level 1	3025394	2023-11-03	2028-11-03
Earthwork Construction Inspection Level 2	3026068	2023-12-07	2028-12-07
FDOT Concrete Field Inspector Specification	3042715	2024-06-14	2029-06-14
Final Estimates Level 1	3035259	2024-11-14	2029-11-14

Pending Qualifications

No Matching Pending Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
30 Days Experience on a Construction Project Involving Earthwork Operations	MET	1099-01-01	2099-01-01
90 Days Experience Asphalt Paving Operations or Asphalt Roadway Testing	MET	1900-01-01	2099-01-01
ACI Concrete Field Testing Technician Certificate	MET	2024-04-19	2029-04-19
Asphalt Paving - Level 1 - Proficiency Exam	MET	2023-10-11	2028-10-11

Asphalt Paving - Level 1 - Written Exam Requirement	PASS	2023-10-11	2028-10-11
Asphalt Paving - Level 2 - Written Exam Requirement	PASS	2024-01-10	2029-01-10
Drilled Shaft Inspection - Proficiency Exam	MET	2025-01-29	2030-01-29
Drilled Shaft Inspection - Written Exam Requirement	FAIL	2025-01-29	2030-01-29
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2023-10-26	2028-10-26
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	FAIL	2023-10-26	2028-10-26
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2023-11-03	2028-11-03
Earthwork Construction Inspection - Level 2 - Written Exam Requirement	PASS	2023-12-07	2028-12-07
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2024-06-14	2029-06-14
Final Estimates - Level 1 - Written Exam Requirement	PASS	2024-11-14	2029-11-14
Nuclear Radiation Safety Certificate	MET	1099-01-01	2099-01-01

Adrian Valdes

CEI Inspector

15 Years of Experience

Years with HBC
2 years

Education

Batallas de los Molinos del Rey High School - Artemisa, Cuba (07/30/2010)

Pipe Layer Journeyman - Gold Coast School (05/08/2024)

Registration(s)
TIN No. V43200092

Licenses & Certifications
FDOT Advanced MOT

***Prior to HBC**

Adrian is a seasoned construction professional with extensive experience in Construction Engineering and Inspection (CEI), specializing in a range of infrastructure projects, including water, sewer, drainage systems, and electrical conduit installation. His diverse career has included roles, such as Assistant Project Manager, Crew Lead, Project Manager, and Pipe Laying Foreman. In addition to the above experience, Adrian has demonstrated a strong command of conduit installation, ensuring the proper placement, connection, and safety of electrical systems. He is skilled at interpreting construction plans, blueprints, and specifications to confirm alignment with industry regulations and safety standards. Furthermore, his ability to oversee and guide projects from conception to completion ensures smooth operations and timely project delivery. Adrian's work ethic is defined by his high level of motivation and commitment to excellence. His leadership skills are evident in his capacity to foster a collaborative and productive work environment, while his adherence to safety protocols ensures a secure job site.

Miami-Dade County Water and Sewer Department (MDC-WASD), CEI Services for Alexander Orr Water Treatment Plant (WTP) Replacement of Two (2) Lime Slaking Systems (TAWO-3). Inspector responsible for overseeing the replacement of two lime slaking systems at the Alexander Orr Water Treatment Plant (WTP), Miami-Dade County's largest potable water facility, under Contract No. W-945. Responsibilities include monitoring the demolition and installation of two (2) new lime slaking systems critical to water softening, corrosion control, and pathogen reduction, as well as inspecting mechanical and electrical upgrades supporting the new systems. Duties encompass reviewing construction activities, such as foundation installation, concrete structural work, erection of staircases and columns, and verifying compliance with approved plans and specifications. Additional tasks involve site inspections for earthwork, milling and resurfacing, guard post installation, and concrete restoration to ensure safe and durable facility access. Adrian is maintaining quality assurance, enforcing regulatory standards, and documenting progress to support the successful completion of this $17 million infrastructure project over a 927-calendar-day schedule. *Location: Miami, FL. Dates: 9/2023 - Ongoing. Construction Cost: $17M. Reference: Joaquin Roa, PE, (786) 552-4063. Contract No.:* W-945.

***Private Construction Company, Installation of 48" Sewer and Drainage System.** As project manager and pipe laying foreman, Adrian collaborated with regulatory agencies and stakeholders to address concerns and ensure compliance with regulations, participated in training and professional development activities to stay current with industry standards and best practices, provided technical guidance to crew members on all utility construction processes, including products to be used in the field, installation, and equipment to utilize for the most effective construction practices, and conducted regular safety briefings and PPE checks to maintain a high standard of safety awareness. *Location: Sunrise, FL. Dates: 2022-2024. Reference: Amaury Mozon, (305) 457-7357.*

***City of Miami Beach, Installation of Water Main, Sewer, and Drainage System.** As part of raising the road, facilitating new utilities, and multiple miscellaneous improvements within the City, Adrian oversaw quality control, safety and regulations of his crew, and all construction items, including the installation of all utilities and restoration of existing facilities disturbed during construction. *Location: Miami Beach, FL. Dates: 2020-2021. Reference: Amaury Mozon, (305) 457-7357.*

Adrian Valdes

***City of Melbourne, Installation of 36" Watermain and Drainage Improvements.** As the lead of his crew, Adrian maintained detailed inspection records and reports, participated in project meetings to provide inspection updates and recommendations, and ensured construction activities complied with environmental regulations. *Location: Melbourne, FL. Dates: 2019-2021. Reference: Amaury Mozon, (305) 457-7357.*

***Florida Power & Light, Multiple Electrical Utility Construction Projects.** Adrian's role was critical in ensuring the successful execution of complex electrical infrastructure projects. Key responsibilities included leading a crew of skilled construction workers, ensuring that each team member understood their role and responsibilities, coordinating daily construction activities, such as scheduling tasks, equipment, and material deliveries, ensuring adherence to safety protocols and OSHA regulations, and overseeing the quality of work to comply with engineering specifications, industry standards, and FPL's requirements. *Locations: Miami and Miami Beach, FL. Dates: 2018-2022. Reference: Amaury Mozon, (305) 457-7357.*

***City of Hollywood, Installation of 12" Watermain.** As the lead of his crew, Adrian communicated findings to project managers, contractors, and stakeholders, assisted in the resolution of construction-related issues and disputes, and collaborated with engineers and contractors to address construction challenges. He also ensured quality workmanship through close collaboration with his team. *Location: Hollywood, FL. Dates: 2018-2019. Reference: Amaury Mozon, (305) 457-7357.*

***City of Miami, Water and Sewer System Rehabilitation.** As Assistant Project Manager, Adrian conducted daily site inspections to ensure compliance with building codes, specifications, and safety standards. He reviewed construction plans, blueprints, and specifications to verify adherence to regulations, identified construction defects, deviations from plans, and non-compliance issues, and documented all non-compliance issues, reporting them to the relevant stakeholders. *Location: Miami, FL. Dates: 2017-2018. Reference: Amaury Mozon, (305) 457-7357.*

Omar Sosa

CEI Inspector



2 Years of Experience

Years with HBC
2 years

Education
A.S. in Civil Engineering, Broward College (2024)

Registration
TIN No. S22165603

Licenses & Certifications
FDOT CTQPs:

- Earthwork Construction Inspection Level 1
- FDOT Concrete Field Technician Level 1
- Hazmat/Nuclear Gauge Safety Certification
- Asphalt Paving Level 1 (In Progress)

Nuclear Hazmat / Troxler Certification

Advanced MOT Certified

ACI Level 1

Microsoft Office

Knowledge of:

- PrC
- MAC
- PSSP
- LCNS

Omar has made strides with significant experience working in the Construction Engineering and Inspection (CEI) Industry as a CEI Inspector. Omar has provided VT in the field of asphalt, where he aided in performing asphalt coring, soil testing, sampling, and has gained experience with milling & resurfacing, road rehabilitation and maintenance techniques. His proficiency also extends to a range of other construction activities, including concrete (coring, testing, and sampling), earthwork, Maintenance of Traffic (MOT), clearing and grubbing, sediment barrier installation, drainage systems implementation, regular excavation, guardrail installation, lighting, signalization, and the application of signing and pavement markings. Omar's premiere experience was on the FDOT District 4 Boynton Beach Project where the project was completed with a 6 month acceleration and won a Best in Construction MOT Award. During his time in the role, Omar gained experience maintaining logbooks, testing, and sampling concrete. His professionalism and dedication have enabled him to rapidly grasp essential programs, such as PrC & MAC, and gain an intimate understanding of FDOT Standards and Specifications and Maintenance of Traffic (MOT).

Florida Department of Transportation (FDOT) District 4, CEI Services for Complete Streets Improvements along Boynton Beach Blvd between NW 3rd St and US-1/Federal Hwy. Omar served the role of CEI Inspector Aide on this FDOT D4 Boynton Beach Boulevard project, overseeing 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 SR-804/Boynton Beach Blvd from NW 3rd St to US-1/Federal Hwy, for 0.659 miles in the City of Boynton Beach in Palm Beach County, FL. Omar's responsibilities included daily inspections, photo documentation, participating in weekly progress meetings, checking MOT and SWPPP compliance, utilization of PRC, MAC, PSSP, and miscellaneous project RFI, CO, and SA information retrieval. *Location: Boynton Beach, FL. Dates: 10/2024–05/2025. FM No.: 444079-1-52-01. Contract No.: T4651. FA No.: D423036B (CAQ66). HBC Fee: $1.2M. Reference: Woodler Blaise, CSM, (772) 579-2553, woodler.blaise@dot.state.fl.us.*

Palm Beach County (PBC), PBC LAP Project # 2021025 - Cherry Road Military Trail to Quail Drive - Roadway, Sidewalk, & Pedestrian Lighting Improvements Project. The project involves the construction of an 8-foot-wide sidewalk along the north side of Cherry Road, stretching from N. Military

Omar Sosa

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. Omar was the inspector for this project and his responsibilities included, daily reports, photo documentation, MOT and SWPPP checks, was involved in biweekly meetings, and gathering onsite information to aide with any change orders and RFI's. *Location: Palm Beach County, FL. Dates: 03/2025 - Ongoing. Contract No.: 2021025. Construction Fees: $1.2M. Reference: Dave West, (561) 684-4180, DWest1@pbc.gov.*

Palm Beach County (PBC), Seminole Blvd Multi-Use Trail and Pedestrian Lighting LAP Project from Oswego Ave to Okeechobee Blvd. CEI Inspector for the upgrade of the lighting aesthetics with designer poles, widening of the concrete sidewalks on the East and West sides of the corridor from 6' to 12' to accommodate pedestrians and cyclists alike, upgrades to the drainage system which included the addition of 30" and 18" French drains and supplemental manhole structures, and milling and resurfacing throughout the project limits. Implementation of steel guide rails and full width detectable surfaces to meet ADA requirements were also installed in conjunction with the lighting improvements. Omar had a limited role being mentored learning about how to ensure compliance with the daily reports, photo documentation, MOT and SWPPP checks, was involved in biweekly meetings, and gathering onsite information to aide with any change orders and RFI's. Since this project was a LAP, Omar became familiar with some of the documentation and submittal requirements for receiving reimbursements through the utilization of the GAP system. *Location: West Palm Beach, FL. Dates: 6/2024-10/2024. HBC Fee: $1.8M. Reference: Zachary King, (561)684-4178, zking@pbcgov.org.*

Miami-Dade County, Water and Sewer Department (MDC-WASD), PFAS Pilot Bench Test Study. Omar is the CEI Inspector in supporting water sample collection efforts for this project, which involved collaboration with Black and Veatch (B&V) and the MDC-WASD Wastewater Treatment Plants. His responsibilities included coordinating with field personnel, ensuring proper sample collection procedures, and adhering to all safety and environmental protocols. Omar assisted in preparing sampling equipment, documenting sample collection processes, and verifying that samples were collected in accordance with the project's quality assurance/quality control (QA/QC) standards. The primary objective of this task was to facilitate the collection of water samples for laboratory analysis of Per- and Polyfluoroalkyl Substances (PFAS) within the MDC water supply system. This sampling effort is a critical component of a broader assessment conducted by B&V, aimed at understanding the presence and concentration levels of PFAS compounds. The results from these analyses will inform future treatment and remediation strategies to ensure water safety and compliance with regulatory standards. Omar ensured that all samples were properly labeled, stored, and transported to the laboratory for testing. His vigilant oversight helped to minimize potential contamination risks and ensured that the data collected would be reliable and scientifically valid. *Location: Miami-Dade County, FL. Date: 9/2024-Ongoing. Reference: Lee Kimbell, (270) 210-8583, KimbellLK@BV.com.*

CTQP Training History Report

Report for: Omar Sosa
Trainee ID: 1000005998
TIN: S22165603****
Email: O***A@HBCENGINEERINGCO.COM
Report Date: 09/30/2025

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Earthwork Construction Inspection Level 1	3032310	2024-07-23	2029-07-23

Pending Qualifications

No Matching Pending Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
Earthwork Construction Inspection - Level 1 - Proficiency Exam	MET	2024-07-23	2029-07-23
Earthwork Construction Inspection - Level 1 - Written Exam Requirement	PASS	2024-07-23	2029-07-23
FDOT Concrete Field Inspector Specification - Written Exam Requirement	PASS	2024-08-10	2029-08-10
Nuclear Radiation Safety Certificate	MET	1099-01-01	2099-01-01

Gonzalo Barrera, PE

Signalization Engineer



7 Years of Experience

Years with HBC
7 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), and 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 and certified in both AutoCAD and MicroStation OpenRoads Designer CAD software, and a master at 3D modeling development.

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements- Task Order 1. Project Engineer responsible for designing roadway and signalization improvements for two corridors within Broward County. The first segment was along SR-7/US-441 from the Miami-Dade/Broward County Line to north of Sample Road. The second segment was along SR-858/Hallandale Beach Boulevard from SR-7/US-441 to SW 58th Avenue. Improvements along SR-858/Hallandale Beach Boulevard include the introduction of a drivable sidewalk connecting SW 58th Avenue to SR-7/US-441, along with paved swale regrading and additional drainage structures and French drains to mitigate potential ponding. Along SR-7/US-441, improvements included signalization and ADA ramp enhancements for 25 intersections, including “stop for pedestrian” signs, countdown pedestrian signals, pedestrian detectors, lighting retrofits, ADA ramps, high-emphasis crosswalks, and bike lane improvements. New signalized midblock crossings with pedestrian channelizing fences were introduced at NW 3rd Street to enhance pedestrian crossing safety, and a new 8’ Shared-Use Path (SUP) north of Southgate Boulevard was designed to provide pedestrian connectivity between eastbound and westbound Cypress Creek Greenway. *Location: Broward County, FL. Dates: 2018–Ongoing. HBC Fee: $1.7M. Reference: Robert Lopes, PE, (554) 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. Project Engineer responsible for the design of signalization improvements, which include the replacement of a mast arm due to the roadway widening, new lane configurations, and the placement of new pedestrian countdown signals, per MUTCD, at the proposed pedestrian crossing locations. Gonzalo was also responsible for developing the roadway plans and ensuring they complied with project specifications and the FDOT Design Manual (FDM), reviewing and adjusting the 3D model to ensure the 3 segments (SR-817/University Drive mainline, I-595 on-ramp, and Shared-Use Path) all connected to each other and that proposed improvements, earthwork, and quantities were correctly reflected. *Location: Broward County, FL. Dates: 2023–Ongoing. HBC Fee: $1.75M. Reference: Adham Naiem, (554) 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, which include the replacement of all mast arms for 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 on 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 comply with 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 proposed roadway 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 Department of Transportation and Public Works (DTPW), 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. Gonzalo's responsibilities include the proposed roadway horizontal and vertical alignment, mainline connections to the side streets, and the detailed Level 2 Temporary Traffic Control Plans (TTCPs). Signalization improvements include 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, overseeing the plan production of all the component sets and ensuring conflicts and improvements are reflected 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 6, SR-90/SW 8th St and SW 157th Ave Safety Improvement Project. Gonzalo was responsible for preparing the Signing and Pavement Marking (S&PM) design plans for the proposed roadway design. He also prepared the overall project quantities and cost estimate. This project's focus was to design improvements that would optimize safety and operations at the high-speed intersection of SR-90/SW 8th Street and SW 157th Avenue. The scope also included widening the SW 157th Avenue northbound lanes, providing an exclusive free-flowing left turn lane on westbound SR-90/SW 8th Street, providing an exclusive free-flowing right turn lane on eastbound SR-90/SW 8th Street, and widening the SR-90/SW 8th Street eastbound and westbound accelerations lanes. In addition to the S&PM design, shoulder reconstruction, Milling and Resurfacing (M&R), new guardrails, bike lanes, signage, and design variations were also included. *Location: Miami, FL. Dates: 2018–2020. HBC Fee: $400K. Reference: Jason Chang, (305) 470-5331, Jason.Chang@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, Willoughby Blvd from SR-714/Monterey Rd to SR-5/US-1/Federal Hwy. Project Engineer responsible for transportation design services for the Project Development and Environment (PD&E) study conducted in partnership with Martin County under a Locally Funded Agreement (LFA). The study included preliminary engineering and the evaluation of alternatives for corridor improvements across two roadway segments. Responsibilities included developing concept geometry and typical sections, performing traffic and safety analyses, and supporting cost estimates for multiple build scenarios. Gonzalo contributed to engineering reports and assisted in facilitating public workshops and FDOT technical reviews. The study evaluated 5 build alternatives to assess impacts on right-of-way and existing infrastructure, while identifying the most effective solution to improve traffic operations and enhance pedestrian and cyclist mobility. *Location: Martin County, FL., Dates: 2022–Ongoing. HBC Fee: $0.75M. Reference: Maria Formoso, (954) 777-4677, Maria.Formoso@dot.state.fl.us*

Claudia Bustamante, MS, PE

Signing and Pavement Marking (S&PM)



21 Years of Experience

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 (S&PM), signalization, Temporary Traffic Control (TTC), Project Development and Environment (PD&E), microsimulation modeling.

Claudia specializes in several aspects of transportation engineering and transportation planning, including roadway design, Signing and Pavement Marking (S&PM), channelization, signalization, Temporary Traffic Control Plans (TTCPs), and Project Development and Environment (PD&E) studies. She has worked for the private sector, various municipalities, and FDOT Districts 4 and 5. She has authored over 20 transportation publications 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 also 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 TTCPs.

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design-Build Services for Roadway Signs in the Vicinity of Metrorail Stations. Signing and Pavement Marking (S&PM) Engineer responsible for developing S&PM plans for this project, which 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 and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build. Signing and Pavement Marking (S&PM) Engineer responsible for developing S&PM plans for this 1.09-mile road reconstruction project, which expands the existing two-lane roadway to include a Two-Way Left-Turn Lane (TWLTL) and 6' 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 and Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. Signing and Pavement Marking (S&PM) Engineer responsible for developing S&PM plans for this 1-mile roadway reconstruction project, which

expands the existing two-lane roadway to a four-lane roadway with a Two-Way Left-Turn Lane (TWLTL), where Right-of-Way (ROW) 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.*

Miami-Dade County Traffic Signals and Signs (MDC-TS&S) and Department of Transportation and Public Works (MDC-DTPW), Advanced Traffic Management System (ATMS) Implementation Phase I. Deputy Project Manager and Engineer of Record (EOR) for this project, which consisted of converting existing signal timing databases to the format specific to the new local controller software, prior to the installation of the new traffic signal controllers. This conversion ensures proper clearance intervals that comply with MUTCD and FDOT Traffic Engineering Manual (TEM) requirements and safe signal operations, and maintains the same signal operational functions as the existing signal controllers. The new controllers were tested and new timing documents were signed, sealed, and submitted. *Location: Miami-Dade County, FL. Dates: 9/2023-3/2024. HBC Fee: $630K. Reference: Jingcheng Wu, (305) 297-2843, jingcheng.wu@yunextraffic.com.*

City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project. Engineer of Record for this project to evaluate a selected alternative, as part of a Project Development and Environment (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. Claudia oversaw the traffic operations analyses involving traffic counts, traffic forecasting, Synchro analysis for all alternatives, crash data analysis, HSM analysis, and providing recommendations for each alternative. *Location: Broward County, FL. Dates: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 from SR-870/Commercial Blvd to Bailey Rd/NW 62nd St. Project Engineer Consultant responsible for assisting FDOT District 4's in-house Roadway Design Team. The design included roadway Milling and Resurfacing (M&R), pedestrian signal coordination, lighting retrofits, roadway ADA ramps, high-emphasis crosswalks, sidewalk and 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 (S&PM), signalization, pavement design, utility coordination, public involvement, project management, and Quality Control (QC) coordination. *Location: Broward County, FL. Dates: 2021–2022. FM No.: 443845-1. Reference: Jamie Polidora, PE, (954) 4633, jamie.polidora@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Studies – Districtwide Pedestrian/Bike Data Collection. Deputy Project Manager for this project, which involved collecting bicycle and pedestrian data at 14 locations throughout Palm Beach, Indian River, and Broward Counties. Claudia coordinated all data collection efforts, identified equipment setup locations, carried out equipment installations and breakdowns, 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. FM No.: 230094-6-32-01. Reference: Ravi Wijesundera, (954) 535-5153, Ravi.Wijesundera@kimley-horn.com*

Ynaja Juste, EI

Signing and Pavement Marking (S&PM)



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.

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.

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.

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design-Build Services for Roadway Signs in the Vicinity of Metrorail Stations. The primary objective of this project is to develop wayfinding guide signs that would effectively direct Metrorail users to the various Metrorail stations throughout Miami-Dade County. The task of designing the approximately 400 wayfinding guide signs and developing signing plans for each of the 23 Metrorail stations was entrusted to Ynaja. The signing plans were designed meticulously, the project was completed successfully, and the project is currently undergoing the construction phase. *Location:*

Miami-Dade County, FL. Dates: 2023-Ongoing. Reference: Claudia Bustamante, MS, PE, (561) 676-9251, cbustamante@hbcengineeringco.com.

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 reconstructing approximately 1.09 miles of NE 2nd Avenue from NE 20th Street to NE 36th Street. Ynaja is responsible for designing the signing and pavement marking plans and ensuring that the plans comply with the current standards and details of Miami-Dade County and FDOT, as well as the Manual on Uniform Traffic Control Devices (MUTCD). The central focus of Ynaja's efforts was to facilitate proper traffic channelization for pedestrians, bicyclists, and motorists traveling along the corridor. *Location: Miami-Dade County, FL. Dates: 2022-Ongoing. Contract Amount: $12.6M. Reference: Claudia Bustamante, MS, PE, (561) 676-9251, cbustamante@hbcengineeringco.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. This project involves the reconstruction of approximately one mile of NW 84th Avenue from NW 58th Street to NW 74th Street. Ynaja is responsible for the design of the signing and pavement markings plans, which will be instrumental in facilitating safe and seamless vehicular movement throughout the corridor. The design aims to improve the overall condition of the corridor and optimize its utility for the benefit of the community. *Location: Miami-Dade County, FL. Dates: 2022-Ongoing. Contract Amount: $7M. Reference: Claudia Bustamante, MS, PE, (561) 676-9251, cbustamante@hbcengineeringco.com.*

Florida Department of Transportation (FDOT) District 6, Okeechobee Road Traffic Analysis. Ynaja is assisting with traffic analysis efforts for this project , which aims to evaluate future traffic weaving conditions due to the planned reconstruction of the Okeechobee Road corridor. This task involves Design Traffic/Project Traffic Forecasting utilizing data from the Southeast Regional Planning Model (SERPM) in conjunction with historical traffic data to establish accurate growth rates for projected future traffic scenarios. 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# 425144-4-32-01,* Contract No.: CA933.

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Data Collection. Ynaja is assisting with Data Collection efforts 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.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 17th Ave Bridge Over the Miami River Data Collection. Ynaja is serving as the Project Engineer for the project. He is responsible for preparing traffic data collection as part of a PD&E study for the rehabiliation of the NW 17th Avenue Bridge. The data collection includes Turning Movement Counts (TMCs), 72-hour classification volume counts, 24-hour videos, peak hour drone videos at the closure of the bridge, pedestreiand and bicycle data, Origin-Destination (O-D) data, spot speed data, queueing data at various locations. *Location: Miami-Dade County, FL. Dates: 2023–Ongoing. Reference: Enrique Crooks, PE, (305) 265-5400, rcrooks@eacconsult.com.*

Moatz Saad, PhD, PE, PTOE, IMSA II

Traffic Engineer



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 - # 0001143

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

Synchro

Dr. Saad's areas of expertise are Transportation Engineering, Traffic Safety, Traffic Simulation, and Connected and Autonomous Vehicles. He has worked on numerous projects throughout South Florida involving Transportation Management Plans, Microscopic and Macroscopic Traffic Simulations, Dynamic Traffic Assignments, and Smart Work Zones. He has performed traffic impact analyses, safety reviews, and fatality studies successfully. He is highly experienced in implementing statistical models and data mining techniques for analyzing safety and operational performance measures. He also works on analyzing Big Data, such as MVDS, AVI, and Crowdsourced Smartphone Data for traffic safety projects.

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Data Collection. 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 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 4, SR-7/US-441 Transit Corridor Improvements Task 2 LAP Project. Senior Traffic Engineer for the this project that consists of the following improvements along several locations along SR-7/US-441: a new sidewalk, ADA curb ramps, pedestrian signalization improvements and landscape enhancements. Also included along a different segment of along SR-7/US-441 is multiple shared-use paths, new lighting at the I-595 on-ramps and off-ramps, high-emphasis crossings, retaining walls under I-595 bridges, and signing and pavement marking upgrades. *Location: Broward County, FL. Dates: 1/2025-1/2026. FM No.: 429576-3. HBC Fee: $922K. Construction Cost: $1.67M. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

Port Everglades, Port Everglades Master Plan. Project Manager for 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: Fort Lauderdale, FL. Dates: 2023–Ongoing. Reference: Maria Rivas, PE, (346) 901-6020, maria.rivas@aecom.com.*

Moatz Saad, PhD, PE, PTOE, IMSA II

City of Hollywood, Johnson Street from N 30th Road to N Dixie Highway Complete Streets Project. 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. *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. 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. Reference: Lance Jones Jr, (954) 777-4680 lance.jones1@dot.state.fl.us. FM # 44562-4-13-20, Contract No. CAI67*

Seminole Tribe of Florida (STOF), Traffic Operations and Safety Study. Traffic Lead responsible for the traffic analysis of implementing traffic operations simulations and safety studies for 11 intersections along SR-7/ US-441 from Sheridan Street to Oakes Road, in a form suitable for FDOT consideration to support proposed concepts. Turning movement counts and Origin-Destination (O-D) data were collected, reviewed, and analyzed. Target Speed Study and Signal Warrant Analyses were conducted for two locations. Signal retiming was conducted along the segment using Synchro. Traffic Safety Analyses were conducted along the segment, involving 5 years of crash data review, using CAR and S4A data sources, collision diagrams, recommendations, and countermeasures, as well as benefit-cost analyses. *Location: Broward County, FL. Dates: 2021–2023. Reference: Alan Mrvica, alan.mrvica@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, CEI Services for Complete Streets Improvements along Boynton Beach Blvd between NW 3rd St and US-1/Federal Hwy. Senior Traffic Engineer for Complete Streets improvements along Boynton Beach Boulevard from NW 3rd Street to US-1, including landscaping, lighting, signing, pavement markings, reconstruction, milling, resurfacing, and sidewalk and drainage work. Responsibilities included resolving utility conflicts, coordinating projects, managing materials, preparing TTCPs, and maintaining ITSFM records.*Location: Boynton Beach, FL. Dates: 2024–2025. FM No.: 444079-1-62-01. HBC Fee: $10M. Reference: Woodler Blaise, (772) 579-2553.*

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.

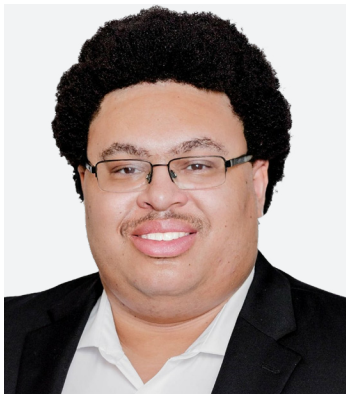
Safety analysis of access zone design for managed toll lanes, Journal of Transportation Engineering, 2018.

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.

Jeremy Braithwaite, IMSA II

Traffic Engineer



8 Years of Experience

Jeremy is a Data Collection Lead with significant experience in the area of traffic data collection, analysis, and processing, having lent that expertise to various projects for HBC. He also has a wide range of experience in traffic engineering studies, traffic safety studies, traffic simulation, and traffic impact studies, Additionally, he is an IMSA/FOA certified fiber optic technician and an IMSA Certified Traffic Signal Field Technician Level II with significant experience working with traffic signal controllers and components.

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 Task Work Order (TWO) basis. The project tasks include collecting Turning Movement Counts (TMCs), 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*

City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project. Data Collection Lead responsible for evaluating a selected alternative, as part of a Project Development and Environment (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 (TMCs), 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, SR-817/ University Dr Widening from Nova Dr to SR-84. Data Collection Lead for this project, which involved traffic data collection tasks including Turning Movement Counts (TMCs), Automatic Traffic Recorder (ATR) volume data, Origin-Destination (O-D), travel time and speed data, spot speed data at individual points, and queuing data and analysis. The 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: Davie, FL. Dates: 2022–Ongoing. Reference: Lance Jones Jr, (954) 777-4680, lance.jones1@dot.state.fl.us. FM No.: 445624-1-32-01 , Contract No.: CAI67*

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 Traffic Signal Field Tech Level II - # BE_133439

IMSA Fiber Optic Technician

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.

Jeremy Braithwaite, IMSA II

Florida Department of Transportation (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 the collected data. The pedestrian and bicycle data 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 Rail Consultant Data Collection – Railroad Crossing Inspection and Condition Survey. Data Collection Lead, as part of the South Florida Rail Corridor (SFRC) Railroad Crossing Inspection and Condition Survey under the Districtwide Rail Consultant Data Collection contract. This task involved collecting 24-Hour volume and classification counts at 49 rail grade crossing surfaces on state roads within FDOT District 4 jurisdiction, due to a lack of recent truck percentage data available. Jeremy coordinated all data collection efforts, identified equipment setup locations, carried out equipment installation and breakdown, and processed and furnished collected data. These counts were collected and reports were provided over the course of a one-month period. *Locations: Broward and Palm Beach Counties, FL. Dates: 5/2021–6/2021. Reference: Ann Mulligan, PE, (407) 619-2102, Ann.Mulligan@jacobs.com. FM No.: 437083-2-12-01. Contract No. CA554*

Seminole Tribe of Florida (STOF), Traffic Operations and Safety Study. Data Collection Lead responsible for the traffic data collection at 11 intersections along SR-7/US-441 from Sheridan Street to Oakes Road, in a form suitable for FDOT consideration to support proposed concepts. Turning Movement Counts (TMCs), Origin-Destination (O-D) data, and travel time and speed data were collected, reviewed, and analyzed. Target speed study and signal warrant analyses were conducted for two locations. Signal retiming was conducted along the segment using Synchro. Traffic safety analyses were conducted along the segment, involving 5 years of crash data review, using CAR and S4A data sources, collision diagrams, recommendations, and countermeasures, as well as benefit-cost analyses. *Location: Broward County, FL. Dates: 2021–2023. Reference: Alan Mrvica, alan.mrvica@dot.state.fl.us*

Port Everglades, Port Everglades Master Plan. Data Collection Lead responsible for 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, 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: Fort Lauderdale, FL. Dates: 2023–Ongoing. Reference: Elia Nunez, PE, (305) 447-3504, elia.nunez@aecom.com*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements Task 2 LAP Project. Data Collection Lead for this project that consists of the following improvements along several locations along SR-7/US-441: a new sidewalk, ADA curb ramps, pedestrian signalization improvements and landscape enhancements. Also included along a different segment of along SR-7/US-441 is multiple shared-use paths, new lighting at the I-595 on-ramps and off-ramps, high-emphasis crossings, retaining walls under I-595 bridges, and signing and pavement marking upgrades. *Location: Broward County, FL. Dates: 1/2025-1/2026. FM No.: 429576-3. HBC Fee: $922K. Construction Cost: $1.67M. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

Gabriel A. Evilla Cano, MS

Traffic Engineer



3 Years of Experience

Gabriel has a Bachelor of Science in Civil Engineering and a Master of Science in Transportation Engineering. His interest and education have focused on traffic operations, sustainable mobility, efficient infrastructures, and an applied use of different traffic analysis programs. His academic background also encompasses transportation system planning and road safety. Gabriel focuses on contributing to innovative solutions that enhance communities and prioritize continuous learning and professional growth within the field of Transportation Engineering. Gabriel is currently working for HBC Engineering Company as a Transportation Engineering Technician for various project opportunities, where he is applying his knowledge and skills.

Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Data Collection. Gabriel is assisting with data collection activities for this contract, in which HBC is conducting routine traffic data collection activities for FDOT District 4 on a Task Work Order (TWO) basis. The project tasks include collecting Turning Movement Counts (TMCs), 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 (FDOT) District 6, SR-25/US-27/Okeechobee Rd Traffic Analysis. This project focuses on analyzing future traffic weaving conditions, due to the planned reconstruction of the SR-25/US-27/Okeechobee Road corridor. This task involves collecting 24-hour volume and classification counts, Turning Movement Counts (TMCs), Origin-Destination (O-D), travel time and speed data, and queuing data at 13 locations along SR-25/US-27/Okeechobee Road between the SR-826/Palmetto Expressway interchange and its intersection at NW 87th Avenue. Gabriel is responsible for conducting microsimulation analysis 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, based on future geometric design changes. *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*

Florida Department of Transportation (FDOT) District 6, SR-9/NW 27th Ave Traffic Analysis from NW 7th St to NW 36th St. This project included the evaluation of the impacts of omitting permissive left-turn phases at 8 signalized intersections along the project corridor, which includes a drawbridge over the Miami River. Gabriel's responsibilities include performing data collection, including Turning Movement Counts (TMCs), travel time and speed data, queuing data, signal timing data, and drone operations to

Years with HBC
2 years

Education
M.S. in Transportation Engineering, Florida International University (12/13/2023)

B.S. in Civil Engineering, Universidad del Norte, ABET Accredited (03/05/2021)

Licenses & Certifications
UAS Remote Pilot (Certificate #4961095)

OpenRoads

Synchro

CORSIM

Vissim

CAD

ArcGis

HCS7

Microsoft Excel

Honors and Awards
2022 Latin American and Caribbean Graduate Fellowship Recipient

Expertise
Traffic operations, sustainable mobility, transportation system

collect aerial footage of bridge operations, vehicle movements and conflicts, and queuing data for calibration of VISSIM microsimulation models. Gabriel also assisted with future traffic volume forecasting using historical volume data and the Southeast Regional Planning Model (SERPM). Gabriel also used VISSIM microsimulation, including existing conditions model development with bridge operations, calibration and validation, and future build alternative models for the AM and PM peaks, as well as historical crash analysis, safety evaluation, and recommendations. *Location: Miami, FL. Dates: 5/2024-Ongoing. Reference: Ramon Sierra, (305) 470-5336, Ramon.Sierra@dot.state.fl.us. FM No.: 451124-1-32-01, 451124-2-32-01, Contract No.: CAS47*

planning, road safety, microsimulation modeling, traffic data collection, signal timing analysis, safety analysis, and infrastructure optimization.

***Prior to HBC**

Miami-Dade County Traffic Signals and Signs (MDC-TSS) and Department of Transportation and Public Works (MDC-DTPW), Advanced Traffic Management System (ATMS) Implementation Project Phase I. Transportation Engineering Technician for this MDC ATMS Implementation Phase I Project, which consists of converting existing signal timing databases to the format specific to the new local controller software, prior to the installation of the new traffic signal controllers. This conversion ensures proper clearance intervals that comply with safe signal operations and the requirements of the Manual on Uniform Traffic Control Devices (MUTCD) and FDOT's Traffic Engineering Manual (TEM), and maintains the same signal operational functions as the existing signal controllers. The new controllers are being tested and new timing documents are being signed, sealed, and submitted. *Location: Miami-Dade County, FL. Dates: 2/2024-Ongoing. HBC Fee: $500K. Reference: Jingcheng Wu, (305) 297-2843, jingcheng.wu@yunextraffic.com.*

Palm Beach County (PBC), George Bush Blvd Bridge over the ICWW Bridge Replacement Project. Transportation Engineering Technician responsible for assisting with data collection, Turning Movement Counts (TMCs), Origin-Destination (O-D) counts, existing conditions, microsimulation models, and calibration and validation. Future demand forecasting and ESAL analysis are conducted based on the historical Annual Average Daily Traffic (AADT) and Southeast Florida Regional Planning Model (SERPM) model. Gabriel also assists with safety analysis, crash analysis, collision diagrams, and Highway Safety 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: Delray Beach, FL. Dates:2/2024–Ongoing. HBC Fee: $200K. Reference: Michael J. Sileno, PE, (954) 555-5555, michael.sileno@hardesty-hanover.com.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Venetian Causeway from Bayshore Dr to Purdy Ave Speed Study Gabriel assisted with speed data collection, analysis efforts, and safety analysis activities for this project, in which HBC conducted traffic engineering services regarding a speed study along the Venetian Causeway Bridges from Bayshore Drive to Purdy Avenue. The required services included data collection, spot speed studies, safety analysis, and recommendations for design, posted, and target speeds. *Location: Miami-Dade County, FL. Date: 6/2024. HBC Fee: $15K. Reference: Satiar Shirazi, (305) 265-5400, sshirazi@eacconsult.com.*

Miami-Dade County (MDC) Transportation Planning Organization (TPO) and Department of Transportation and Public Works (DTPW), State Transportation Efficiency Plan (STEP) Program Implementation to Advance Bikeways in MDC. Gabriel is assisting with this project effort, which focuses specifically on enhancing connectivity and accessibility of existing bikeways to middle schools through Safe Routes to Schools and parks. This will improve access to transit stations and safety for bicyclists, which is in alignment with MDC's Vision Zero initiative. *Dates: February 2025-Ongoing. Reference: Alfred Lurigados, (305) 670-2350, alurigados@bcceng.com.*

Orlando Penate, PE, EE, IMSA III

Lighting/Electrical Engineer



19 Years of Experience

Orlando is a highly experienced professional electrical engineer with a robust background in the civil engineering industry and a comprehensive skill set, including proficiency in AutoCAD, Bentley MicroStation, OpenRoads Designer, and Lighting Analysts AGi32. 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.

City of Fort Lauderdale, Riverwalk North Sewall Replacement Project. Senior Electrical Engineer responsible for designing the replacement of existing electrical shore-tie pedestals and pier lighting using marine-grade louvered concrete bollards with Turtle Safe-Certified wildlife lighting fixtures to ensure water/salt resistance and environmental compliance. The scope also includes adjustments to the existing electrical panels, to meet the requirements of the new seawall elevation, which includes the evaluation of the Service Point and Control Panel to determine the required upgrades for load capacity, wire sizing, and voltage drop. The design complies with National Fire Protection Association (NFPA) 303 (Fire Protection Standard for Marinas and Boatyards) and National Electrical Code (NEC) Article 555 (Marinas, Boatyards, and Docking Facilities). This project involves the replacement of the Riverwalk North Seawall, spanning 500 feet west from the Andrews Avenue Bridge toward the train tracks. *Location: Fort Lauderdale, FL. Dates: 2024-Ongoing. Project No.: P11722. Contract No.: 12716-626. HBC Fee: $682,534.41. Reference: Laura De Luca, MS, PE, (954) 828-5817, ldeluca@fortlauderdale.gov.*

Florida Department of Transportation (FDOT) District 4, SR-708/Blue Heron Blvd from West of I-95 to West of Garden Rd. Project Manager and Lighting Design Engineer of Record responsible for leading the planning, coordination, and execution of lighting improvements at the intersection of SR-708/Blue Heron Blvd. and I-95, including adjacent ramps and segments along SR-708/Blue Heron Blvd. from east of I-95 and west of Garden Road. Orlando directed the preparation of the Lighting Design Analysis Report, which addressed photometric requirements, horizontal and vertical illumination calculations at the signalized interchange, and underdeck daytime lighting analysis. Oversaw the development of lighting plans, pay items, and plan notes, and ensured they aligned with FDOT standards. Provided leadership in stakeholder coordination, including Florida Power & Light (FPL), to ensure design feasibility, maintenance integration, and utility compatibility. Managed project meetings, ensured compliance through quality control reviews, and delivered a technically sound, coordinated lighting design for enhanced roadway safety and visibility. *Location: Palm Beach County, FL. Reference: Ronald Wallace, PE, (954) 777-4428, Ronald.Wallace@dot.state.fl.us. Contract No.: CAQ79.*

Years with HBC
9 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

Orlando Penate, PE, IMSA II

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

Broward County Public Works Department Highway Construction and Engineering Division, North Palm Ave (NW 101st Ave) at Johnson St Intersection Improvements Project. Electrical Engineer responsible for traffic signal service details, intersection lighting design and analysis, and ensuring compliance with Broward County and Florida Department of Transportation (FDOT) electrical standards. This project involves Milling and Resurfacing (M&R) of the intersection and approaches, Americans with Disabilities Act (ADA) upgrades, traffic signalization improvements, intersection lighting analysis and design, drainage improvements as required, structural support systems including foundations, and Signing and Pavement Markings (S&PMs). The scope also includes records research, control surveying and base mapping, utility coordination, Subsurface Utility Engineering (SUE), permitting, and soil borings. *Location: Pembroke Pines, FL. Dates: 2023-2025. Broward County Project No.: 108131. HBC Fee: $99,088.05. Reference: Justin Pujols, PE, (954) 357-5572, jpujols@broward.org*

Florida's Turnpike Enterprise (FTE), Southern Turnpike CCTV Upgrades System Wide. Deputy Project Manager and Quality Assurance/Quality Control (QA/QC) Reviewer for this system wide design and implementation of additional Closed-Circuit Television (CCTV) camera installations across SR-91/Florida's Turnpike Mainline, SR-821/HEFT, and multiple service plazas, including Snapper Creek, Pompano Beach, West Palm Beach, Fort Pierce, and Fort Drum. Orlando is assisting the Project Manager with QA/QC reviews and electrical engineering support. This project involves directing the development of ITS plans and specifications to enhance operational awareness during recurring congestion and emergency events, while enabling future data collection capabilities; overseeing all aspects of the ITS design process, including site selection, infrastructure coordination, and compliance with FDOT standards and Rule 940 systems engineering requirements; leading multidisciplinary coordination to ensure seamless integration with existing traffic management infrastructure and remote operability through FTE's Traffic Management Centers (TMCs). *Locations: Miami-Dade, Broward, Palm Beach, St. Lucie, and Okeechobee Counties, FL. Dates: 2024-Ongoing. Contract No.: 452086-1-32-01. Reference: Yang Zhao, PhD, PE, (407) 415-9002, Yang.Zhao@dot.state.fl.us.*

Seminole Tribe of Florida (STOF), Brighton Indian Reservation Wastewater Treatment Plant Expansion Site Design and Construction. Engineer of Record (EOR) responsible for new lighting within the existing site, including the proposed parking lots, communication, and power connection for an automatic gate. *Location: Glades County, FL. Dates: 2021–2023. Reference: Ryan C. Eck, PE, (813) 207-7918, eckr@bv.com.*

Seminole Tribe of Florida (STOF), Brighton Indian Reservation Wastewater Treatment Plant Expansion Lift Station Design and Construction. Engineer of Record (EOR) responsible for the complete design of a new lift station. The design included a new service connection, control panel, Variable Frequency Drives (VFDs), power and instrumentation control for three new pumps, and lighting for a new canopy at the lift station. Additional services included electrical specification package development, building coordination, fiber optic cable communication design, Supervisory Control and Data Acquisition (SCADA) system integration, and the design coordination for a new generator system to support a complete Wastewater Treatment Plant (WWTP). *Location: Glades County, FL. Dates: 2021–2023. Reference: Ben Luke, PE, (615) 770-8343, ben.luke@greshamsmith.com.*

Palm Beach County (PBC), Annual Street Lighting System Design and Related Construction Engineering and Inspection (CEI) Services Contract on an Annual Task Work Order (TWO) Basis. Project Manager and Lighting Design Engineer of Record responsible for overseeing the design and implementation of street lighting systems for more than thirty (30) Task Work Orders (TWOs), including lighting design analysis, photometric studies, and plan development using Florida Power & Light (FPL) fixtures, per the FPL Lighting Solution Catalogue, Florida Department of Transportation (FDOT) criteria, and PBC proprietary products to enhance roadway and intersection visibility across county corridors and signalized intersections. *Location: Palm Beach County, FL. Dates: 2021-2023. HBC Fee: $ 1.3 M. Reference: May Cheng, PE, (561) 684-4030, MCheng@pbcgov.org.*

Maikel Fiallo Nunez, PE

Lighting/Electrical Engineer



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.

Palm Beach County (PBC), SR-804/Boynton Beach Blvd from SR-7 to Florida's Turnpike. Maikel is the Electrical Engineer responsible for the plans production for this project. The objective of this project is to conduct two (2) independent photometric analyses along SR-804/Boynton Beach Blvd from SR-7 to Florida's Turnpike in collaboration with Palm Beach County (PBC) and Florida Department of Transportation (FDOT), where applicable, to identify any concurrent projects and to verify the scope of the Surtax Street Lighting Conversion Project.

- Existing Photometric Analysis to establish the base existing illumination levels with the existing High-Pressure Sodium (HPS) luminaires installed on shared FPL poles and dedicated stand-alone FPL light poles.
- The design of required sanitary force lines

The horizontal analysis at signalized intersections will be performed as a basic service and the vertical as an optional service. This would be considered a maintenance activity and we will be held to the lighting criteria at the time when the lighting was installed. Signal-mounted luminaires will consider only fixtures that are maintained and approved by PBC (ATB2 P601 3000K for small intersections and ATB2 P604 3000K for large intersections).

There are four (4) existing signalized intersections along SR-804/Boynton Beach Blvd within the project limits: Somerset Charter School, Lyons Rd, Acme Dairy Rd, and Florida's Turnpike. *Location: Boynton Beach, FL. Dates: 2021-2023. Reference: May Cheng, PE, (561) 684-4030, mcheng@pbcgov.org.*

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.*

Maikel Fiallo Nunez, PE

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.*

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.

***Prior to HBC**

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.*

Greater Miami Expressway Agency (GMX), SR-878/Snapper Creek Expressway Design Engineering Services for Light-Emitting Diode (LED) Lighting Conversion. Maikel was the Electrical Engineer responsible for lighting improvements for the corridor, which included the design for the replacement of the existing SR-878/ Snapper Creek Expressway corridor High-Pressure Sodium (HPS) lighting system with a new Light-Emitting Diode (LED) lighting system. The new roadway lighting was designed to be installed along the SR-878/Snapper Creek Expressway corridor's outside shoulders. The existing HPS lighting system will be removed under this project. *Location: Miami-Dade County, FL. Dates: 07/08/2024-Ongoing. Contract Fee: $8. Jairo Santano, PE, (786) 459-1330, Jsantano@hntb.com*

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.*

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.*

Fernando Craveiro de Sa, PhD

Grant Writing



47 Years of Experience

Years with HBC
7 years

Education
PhD in Civil Engineering/ Environmental, University of Texas at Austin (5/18/1991)

M.S. in Civil Engineering/ Environmental, University of Texas at Austin (5/18/1985)

M.S. in Environmental and Sanitation Engineering, IHE Delft, Holland (9-11-1982)

Industrial Environmental Engineering, Fundçãao Armando Alvarez Penteado, Brazil (1980)

B.S. in Civil Engineering, Universidade de São Paulo, Brazil (11/9/1979)

Licenses & Certifications
Engineer Intern (TX) (01/02/1991)

Executive Leadership, Michigan University (2001)

Expertise
Water and wastewater infrastructure, civil engineering, environmental engineering, project

Dr. Craveiro has extensive experience in civil engineering, client service management, constructability review, area management, and business development. He has worked on large infrastructure projects involving various disciplines, such as transportation, traffic, water, wastewater, coastal, ports, and marine. His typical client interface is with agencies, including Miami-Dade County (MDC) Water and Sewer Department (WASD) and South Florida Water Management District (SFWMD), as well as companies like Vale and Petrobras. From a technical standpoint, he has been involved in a wide variety of complex and high-profile infrastructure projects. He has performed various technical roles successfully, including those dealing with planning, conceptual design, and evaluation of existing systems.

Puerto Rico Aqueduct and Sewer Authority (PRASA), Preliminary Engineering Reports (PERs) for the Elimination of the Corozal, Camuy-Hatillo, and Islote Wastewater Treatment Plants. Quality Assurance/ Quality Control (QA/QC) Reviewer for the information contained within the 3 Preliminary Engineering Reports (PERs). *Location: Puerto Rico. Dates: 2022. HBC Fee: $225K. Reference: Hans Figueroa, PE, (787) 641-6800.*

Broward County, Septic Tank Elimination Program (STEP). Quality Assurance/Quality Control (QA/QC) Reviewer for this project, which included the evaluation and selection of 3 alternative sewer systems to serve the business properties located within a marina in Broward County. Other services included site evaluation, site investigations, coordination with municipalities and property owners, hydraulic analysis, lift station design, and preparation of the inventory of existing and proposed utility easements. *Location: Broward County, FL. Dates: 2019–2021. Reference: Alicia Dunne, PE, (954) 831-0793, adunne@broward.org. Project No.: 104247.*

Miami-Dade County Water and Sewer Department (MDC-WASD), CD 2.27: Central District Wastewater Treatment Plant (CDWWTP) New Oxygen Plant Design-Build Project. Quality Assurance/Quality Control (QA/QC) Reviewer for this project, which involved the construction of an oxygen production system (2-VPSA) at the CDWWTP to provide full redundancy, as the existing units were near the end of their useful service life and prone to failure. *Location: Virginia Key, FL. Dates: 2016–2020. HBC Fee: $150K. Construction Cost: $58M. Reference: Paul F. Adams, (786) 863-9425, paul.adams@miamidade.gov.*

***Miami-Dade County Water and Sewer Department (MDC-WASD), South District Wastewater Treatment Plant (SDWWTP) Renewal and Replacement Project.** Client Service Manager responsible for quality control and allocation of appropriate technical resources. He also served as Senior Technical Consultant on several issues, including large sewage pumps, screening and grit removal and disposal system, primary

Fernando Craveiro de Sa, PhD

clarification and scum handling, sludge thickening, co-generation, pure oxygen biological secondary system, high-level disinfection, effluent filtration, wastewater reuse, deep well injection, and operator training. *Location: Cutler Bay, FL. Dates: 7/2007-11/2009. HBC Fee: $8M. Reference: Humberto Codispoti, (305) 790-0235, HCP@miamidade.gov.*

management, quality assurance/quality control (QA/QC), feasibility studies, drainage and flood control, transportation infrastructure.

***Prior to HBC**

***Miami-Dade County Water and Sewer Department (MDC-WASD), Master Plan Update.** Client Service Manager responsible for his portion (30%) of the contract's performance and technical resources. He also served as Senior Technical Consultant and expert in water reuse and the mitigation of Emerging Pollutants of Concern. The engineering services were mostly related to Sustainability and Resiliency, given the strong considerations to wastewater reuse. The team was successful in obtaining MDC-WASD's 20-year Water Use Permit, which is valid for 20 years and allows MDC to manage its water resources and the treatment and reuse of its wastewater. *Location: Miami-Dade County, FL. Dates: 5/2005-10/2008. Contract Amount: $4M. Reference: Victor Pujals, (305) 372-7171, PujalsVJ@cdm.com.*

***City of Miami Beach Public Works, Sunset Harbour Pressurized Drainage Wells Project.** Client Service Manager responsible for the overall contract performance, including the management of budget, schedule, and client contact. He coordinated all activities between client, project manager, contractors, subcontractors, and internal company resources. This project included the detailed design of pressurized injection wells to treat and dispose of stormwater runoff. The final design included developing mechanical and yard piping drawings and mechanical design calculations, as well as providing QA/QC reviews of all deliverables. *Location: Miami Beach, FL.*

***City of Miami Beach Capital Improvement Office, Normandy Shores Right-of-Way (ROW) Improvement Program.** Project Manager and Client Service Manager responsible for the overall contract performance, including the management of budget, schedule, and contact with the client. He coordinated all activities between client, contractors, subcontractors, and internal company resources. This Normandy Shores Right-of-Way Capital Improvement Project (CIP) included a variety of streetscape and stormwater upgrades. *Location: Miami Beach, FL.*

***City of Miami Beach Capital Improvement Office, Normandy Shores Golf Course Project.** Client Service Manager responsible for the overall contract performance and client contact. This project included hydraulic calculations and the selection of pumps, piping, and control structures for the detailed design of pressurized injection wells to treat and dispose of stormwater runoff. *Location: Miami Beach, FL.*

***City of Pharr, Rehabilitation of the Collection System and Lift Stations.** Project Manager responsible for the client's satisfaction, quality control, and allocation of appropriate technical resources for the project. He also served as Client Service Manager and Senior Technical Consultant for several issues, including lift stations and collection systems. The rehabilitation of the system was achieved through system modeling and the detailed design of the collection system and lift stations that addressed the need for system capacity expansions and collection piping re-routing. This project resulted in significant reductions in operational costs, since the proposed re-routing eliminated more than 20 lift stations. *Location: Pharr, TX.*

***City of Pharr, Water and Wastewater Rate Analysis.** Project Manager and Client Service Manager responsible for leveraging technical resources to elaborate a rate study that presented a series of alternative rate structures and capital improvement phasing schemes to meet the revenue requirements of Rio Grande Valley's water and wastewater system for the next 20 years. *Location: Rio Grande Valley, TX.*

Melannie Gomez

Public Involvement



3 Years of Experience

Years with HBC
2 years

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**

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.

Palm Beach County (PBC), Basin H1 – Stormwater Improvements. Public Information Specialist supported public engagement and stakeholder communication throughout the planning and implementation of stormwater improvements within Basin H1, a 48-acre area bounded by Dr. Martin Luther King, Jr Boulevard West, SW 4th Street, SFCD Canal 1 (SW Avenue G), and South Main Street. Responsibilities included supporting and creating a public-facing presentation to communicate project benefits and timelines. This role supported efforts to address chronic flooding near City Hall, enhance water quality by installing a hydrodynamic stormwater treatment device, and implement approximately 7,300 linear feet of new drainage pipes and 65 new drainage structures. *Location: Belle Glade, Palm Beach County Dates: 8/5/2024–Ongoing. HBC Fee: $12.6M. Reference: Al Caruso, 954-782-8222, acaruso@craigasmith.com*

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 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. *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.

Reza Javidan, P.E.
Chief Geotechnical Engineer



PROFESSIONAL QUALIFICATIONS

Bachelor of Science in Civil Engineering (BSCE)
University of Detroit, Detroit, MI
(August 1986)

Master of Science in Geotechnical Engineering (MSCE)
University of Detroit, Detroit, MI, (August 1988)

Senior Geotechnical Engineer (December 2020 to Present)
Florida Engineering & Testing, Inc., Pompano Beach, FL
• Analysis and design of all types of shallow and deep foundation systems such as drill shaft, augercast pile, and driven pile for high-rises up to 40 stories
• Design of deep foundation systems using helical piles and pin piles for small structures with limited access
• Analysis and design of all types of pavements, retaining walls and sheet piles for excavations over 20 feet deep
• Site preparation and site improvements with suitable techniques such as vitro-flotation, vibro-replacement, Deep Dynamic Compaction (DDC), dry soil mixing, vibro concrete columns, slurry pressure grouting, compaction grouting, chemical grouting, surcharging and other suitable approaches on difficult soils such as lake reclaimed, landfill, and others
• Performing pile load-tests with report preparations
• Reviewing, signing and sealing of material testing and inspection reports

Senior Geotechnical Engineer (August 2015 to December 2020)
Quest Engineering & Testing, Inc., Pompano Beach, FL
• Analysis and design of all types shallow and deep foundations
• Commercial and residential structural inspections

Senior Geotechnical Engineer (May 2009 to August 2015)
Florida Engineering & Testing, Inc., Pompano Beach, FL
• Analysis and design of all types of shallow and deep foundation systems
• Analysis and design of all types of pavements and retaining walls

Senior Geotechnical and Project Engineer (October 2008 to November 2008)
Dutch Foundation Inc., Dubai, UAE
• Analysis of retaining walls and deep foundations

Senior Geotechnical and Project Engineer (October 2004 to October 2008)
Nutting Engineers of Florida, Inc., Boynton Beach, FL
• Analysis and design of all types of shallow and deep foundations
• Commercial and residential structural inspections
• Site preparation and site improvements
• Performing pile load-tests with report preparations
• Reviewing, signing, and sealing of material testing and inspection reports

Senior Geotechnical and Project Engineer (August 2000 to September 2004)
ATC Associates Inc., Miami, FL
• Analysis and design of shallow and deep foundation systems and site preparation
• Analysis and design of retaining walls and pavement designs
• Monitoring and performing pile load-test and preparing reports
• Monitoring production pile and drill shaft installations

Senior Geotechnical and Project Engineer (April 1993 – June 2000)
Tooss-Ab Consulting Engineers Co., Mashad, Iran
• Investigation and analysis of problematic soils such as liquefying, dispersive

Geotechnical Engineer (October 1991 – December 1992)
Weston Inc., Portland, OR Feasibility Study/Remedial Investigation of contaminated area.
• Design of landfill (including slope stability analysis)
• Civil engineering tasks (including design of drainage)

Geotechnical Engineer (November 1989 - March 1991)
Bowser – Morner Associates Inc., Toledo, OH
• Analysis and design of all types of shallow and deep foundations
• Analysis and design of retaining walls and pavement designs
• Performing pile load-tests with report preparations
• Landfill design

BRYAN MERRITT, PSM

Survey, Mapping, & SUE | Right of Way Services



EDUCATION

1983
AS, Civil Engineering, Monroe Community College

YEARS OF EXPERIENCE

Industry: 43
KEITH: 1

PROFESSIONAL REGISTRATIONS

Professional Land Surveyor, LS6558, FL, 2006

Professional Land Surveyor, 050050, NY, 1993

FAA Remote Pilot Small Unmanned Aircraft System, 4225999, 2019

PROFESSIONAL AFFILIATIONS

Chair Advisory Committee - Geomatics Engineering Florida Atlantic University

Village of Royal Palm Beach Program for Public Information Committee, Board appointed

Palm Beach County GIS Board Member

Trail Boss Florida Off Road Cycling Enthusiasts (FORCE) Pinehurst Trail

South Florida GIS Expo committee Exhibits Chair

PROFILE

Bryan Merritt is Vice President of Geospatial at KEITH. He is responsible for overseeing all geospatial operations, including survey and subsurface utility engineering (SUE) for the company. This role involves strategic planning; project management; ensuring accuracy and quality of data; leading KEITH'S team of surveying, mapping, and utility specialists; managing budgets; and collaboration with other departments/ disciplines to support the KEITH company goals. Bryan also manages the evaluation and assessment of equipment and technology resources, assists in training and mentorship to team members, and provides leadership in the preparation of business development strategies for existing and new markets/geographies.

RELEVANT PROJECT EXPERIENCE

Water and Re-Use Treatment Plant Projects, Pompano Beach, FL: Principal. KEITH, as a subconsultant, assists in the development of water and re-use water treatment plant projects on an as-needed basis. KEITH assists the Client with survey, SUE, and landscape architecture services. The KEITH Team assists the Client with specific purpose survey, site plan processing, paving, grading, and drainage, erosion plan, water distribution and sanitary sewer, engineering permitting, landscape architecture plans, construction observation, and construction certification.

SE 5th Avenue Bridge Replacement, Pompano Beach, FL: Principal. KEITH, as subconsultant, assisted the Client in developing a KEITH Access project related to improvements to the SE 5th Avenue Bridge. KEITH provided extensive survey services to the Client.

Chiller Plant, Pompano Beach, FL: Principal. The project included a 750-SF chiller plant building and cooling tower yard. The new chiller plant will provide energy efficient air-conditioning to City Hall and the Commission Chambers while reducing energy costs to the City. KEITH provided planning, civil, survey, and SUE services including layout and processing of the site plan, utilities design and permitting through all agencies having jurisdiction.

Fire Station No. 114, Pompano Beach, FL: Principal. The client has requested that KEITH provide SUE services for the Fire Station 114 project. Horizontal utility designation services will be performed to mark detectable utilities along a proposed fence line. A hand-drawn field sketch of discoveries will be included.

South Florida Water Management District (SFWMD) Continuing Survey Services, FL: Principal. The SFWMD trusted KEITH to provide professional services to continue with survey mapping services in Broward, Palm Beach, and Miami-Dade counties. KEITH worked with SFWMD to improve wells for the Hillsboro Canal Phase I in Broward and Palm Beach counties, the L-8 Reservoir Project in western Palm Beach County, and canals for the C-14 basin's hydrographic survey in Miami-Dade County. KEITH served as the consultant managing a trans-disciplinary team, providing surveying and subsurface utility locating services.

Parking Garage Design-Build, Pompano Beach, FL: Principal. KEITH assisted the Client in developing a KEITH Facility mixed-use project including a 625-space, 5-story parking garage on a 3.5-acre site. KEITH, as part of the design-build team, provided planning, survey, utility coordination and investigation, civil engineering, landscape architecture, permitting, and construction inspection. Included with KEITH's professional services were extensive community and municipal outreach, complete civil design to adequately provide water, fire, and sanitary sewer service, and stormwater management design, and permitting through all jurisdictional agencies, and construction inspection and certification.

Bryan Merritt, PSM
Survey, Mapping, & SUE | Right of Way Services

Sand & Spurs Equestrian Center, Pompano Beach, FL: Principal. KEITH was selected to produce an enhanced boundary survey, based on the survey KEITH prepared in 2001, with topographic survey information. All survey services conformed with Rule 61G 17-6 of the Florida Administrative Code. Services included field determination of site elevations relative to the National Geodetic Vertical Datum of 1929 (NGVD 1929) on a 50-grid or closer to define existing grade breaks and the floor elevations on existing structures. Elevations extended a minimum of 20-feet into adjacent properties. A certified survey drawing was delivered in CADD format

SW 9th Ave Engineering Design Survey: Principal. KEITH was pleased to provide professional survey services associated with the approximately 1,100-LF improvement. The engineering design survey encompassed the full width of the SW 9th Avenue right-of-way, extended 50-feet into each intersecting sidestreet along the corridor, and resurrected a sufficient number of horizontal survey control points in the vicinity and within adjacent plats to accurately define the location of the right-of-way lines. The Engineering Design Survey map(s) were delivered in AutoCAD format.

District IV Master Plan, Pompano Beach, FL: Principal. The City of Pompano Beach created the Pompano Beach Community Redevelopment Agency (CRA) Redevelopment Plan in October of 1989. Since then, issues related to redevelopment have created the need to revise and update the Plan together with the adjacent lands. To facilitate this effort by the respective authorities, Swerdlow Lightspeed Management Company, LLC agreed to provide the financing and administrative services to complete the update of the Plan. KEITH was tasked to provide management, project planning and related graphics, support engineering services, community outreach, and governmental coordination.

Centennial Park Sketch and Legal Survey, Pompano Beach, FL: Principal. The Centennial Park project entails the addition of an outdoor open-air event pavilion incorporating contextually sensitive architecture that honors the historic Sample-McDougald House currently located on the property. The improvements are a part of the City of Pompano Beach GO Bond initiative and also included redevelopment of the walkways and garden areas adjacent to the future pavilion. KEITH worked closely with stakeholders to ensure the new garden spaces and pavilion suit the event needs of users and staff. KEITH provided geospatial engineering (survey and subsurface utility engineering), civil engineering, planning and landscape architecture for this project.

Water Treatment Plan, Pompano Beach, FL: Principal. KEITH was chosen by the City of Pompano Beach Public Works Department to provide professional survey services associated with the determination of record/as-built measurements within and adjacent to the Filter Building at the City's water treatment plant. KEITH also confirmed water surface elevations within the established area which were provided by another representative.

Fire Station No. 114, Pompano Beach, FL: Principal. The client has requested that KEITH provide SUE services for the Fire Station 114 project. Horizontal utility designation services will be performed to mark detectable utilities along a proposed fence line. A hand-drawn field sketch of discoveries will be included.

MARK MITCHELL
Surveying, Mapping, & SUE



EDUCATION

1992
AA, Arts, Saint Petersburg College

YEARS OF EXPERIENCE

Industry: 26
KEITH: 12

OHS Construction Induction Training Certificate

OSHA Confined Space Entry

Rail Industry Safety Induction (RISI)

CSX Certified Safety Facilitator

OSHA 40-Hour Safety Training

PROFILE

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

RELEVANT PROJECT EXPERIENCE

Water and Re-Use Treatment Plant Projects, Pompano Beach, FL: Project Manager. KEITH, as a subconsultant, assists in the development of water and re-use water treatment plant projects on an as-needed basis. KEITH assists the Client with survey, SUE, and landscape architecture services. The KEITH Team assists the Client with specific purpose survey, site plan processing, paving, grading, and drainage, erosion plan, water distribution and sanitary sewer, engineering permitting, landscape architecture plans, construction observation, and construction certification.

Water Service Material Validation, Pompano Beach, FL: Task Manager. KEITH, under this continuing service contract, provided civil engineering, survey, SUE, landscape architecture, and construction program management services. This project supported compliance with the EPA's Lead and Copper Rule Improvements (LCRI) by identifying and validating the materials of water service lines within the County's drinking water system. The scope included predictive modeling, field investigations, and integration of findings into BCWWS's GIS system. KEITH performed visual inspections and vacuum excavations, documented findings, and supported data-driven decision-making. The project also involved the use of Trinnex's LeadCAST software to enhance predictive modeling capabilities.

Charlotte Burrie Civic Center, Pompano Beach, FL: KEITH, under its continuing services contract with the city, and as subconsultant, assisted the Client in developing a KEITH Campus project that included 8,712-SF of multi-purpose spaces for civic, social, and recreational activities, lobby/pre-function area, reception, administrative offices, conference rooms, 250-seat assembly hall, and pedestrian ADA-compliant access, a porte-cochère entrance, 48 vehicular and 20 bicycle parking spaces. KEITH provided full services to the Client including civil engineering, permitting, landscape architecture, and construction administration and coordination for the LEED v4 certified building.

SR A1A Improvements, Pompano Beach, FL: Task Manager. Under our continuing services contract with the City, KEITH assisted the Client in the development of a KEITH Access project related to streetscape improvements including landscaped medians, widened sidewalks, and street lighting. KEITH provided full services to the Client including survey/SUE, civil and transportation engineering, landscape architecture, and construction program management. The KEITH Team assisted the Client in digital terrain modeling, utility mapping, permitting, bid assistance, landscape concepts through schematic design, roadway analysis, photometric and lighting design analysis, field reviews of roadway and drainage, construction observation and certification.

Mark Mitchell
Surveying, Mapping, & SUE

BCWWS-KA17-07 District 3A Step Area3A-D, Pompano Beach, FL: Task Manager. The project entails the construction of approximately 3,250 linear feet of 8" PVC gravity sewer, 10 maintenance access structures and associated service lines. The proposed project has the potential to eliminate several septic systems that currently serve businesses in an industrial park generally located southwest of the intersection of SR 84 and I-95.

Pompano Beach Chiller Plant, Pompano Beach, FL: The project included a 750 square foot chiller plant building and cooling tower yard for Pompano Beach City Hall. The new chiller plant will provide energy efficient air-conditioning to City Hall and the Commission Chambers while reducing energy costs to the City. The impacted area around the proposed chiller plant increased the entire site pervious area by 619 square feet and also required the elimination of four parking spaces. KEITH provided planning, civil, survey, and SUE services including layout and processing of the site plan, utilities design and permitting through all agencies having jurisdiction.

Pompano Beach Pier Parking Garage, Pompano Beach, FL: The Pompano Beach Pier Parking Garage is located at the southeast corner of North Ocean Blvd. (SR- A1A) and NE 3rd Street on a 3.5-acre site. The parking garage includes five stories, 662 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space on the ground level fronting NE 3rd Street and the new Pier Street. The Pompano Beach CRA has ambitious plans for the redevelopment of the area and the need for additional parking facilities in the beach area is critical for the future of this beach community. As part of the design-build team, led by Kaufman Lynn Construction, KEITH was responsible for planning, survey, utility coordination/investigation, civil engineering, landscape design, permitting, and construction inspection of the project. Our professional services included extensive community and municipal outreach, complete topographic and boundary surveying, utility investigation of all public and private utilities within and adjacent to the project limits, complete civil design to adequately provide water/fire/sanitary sewer service and stormwater management design/grading of the site to ensure compliance with recently changed federal/state and local criteria, full landscape and irrigation design, permitting through all jurisdictional agencies and construction inspection and certification services.

NW 31 Avenue & Mcnab Road Intersection Improvements, Fort Lauderdale, FL: Project Manager. As subconsultant to Metric Engineering under their continuing services contract with Broward County providing engineering services for traffic, roadway, and civil projects, KEITH has been tasked to provide construction engineering and inspection services including roadway and asphalt plant inspections, and project closeout documents. KEITH will also attend pre-construction meetings and provide overall project administration for the duration of the construction phase including internal staffing schedules, communications with the County, and preparation of status reports. In addition, KEITH will provide material sampling and testing services, as needed, per state and federal regulations.

SEAN HALSEY

Surveying, Mapping, & SUE | Right of Way Services



EDUCATION

1992
General Studies, Lewis & Clark College

YEARS OF EXPERIENCE

Industry: 27
KEITH: 8

PROFESSIONAL REGISTRATIONS

Temporary Traffic Control Certification, Intermediate, 86589, 2018

PROFILE

As a Utility Project Manager for KEITH Location Services Department, Sean Halsey is responsible for scheduling and supervising field crews, conducting utility field meetings, utility records research, conflict analysis and determining if additional utility investigation is needed for assigned projects in South Florida. With 27 years of experience, he has completed projects from beginning phases to final delivery which included preparing and submitting fee proposals, coordinating with clients, being able to setup projects for field crews and conducting field visits when trouble shooting is required; download and process collected data; performed quality control and finalize for delivery while keeping clients informed on a daily basis. Mr. Halsey has extensive knowledge in the performance and use of GPR (Mala Geoscience, GSSI, Radio Detection, Nogin, etc.), Electro-Magnetic Induction (Radio Detection, Vivax, Fischer), Magnetometers, Vacuum Excavation Trailer and Portable Systems, Pipeline Inspection, Conductivity Scanning, Multi-testers and Fault Detection experience.

RELEVANT PROJECT EXPERIENCE

MLK Boulevard Improvements, Pompano Beach, FL: Task Manager. Improvements included multi-modal friendly streetscape with landscape/hardscape beautification features along MLK Blvd, including pedestrian-level and roadway lighting, streetscape furnishings, utility adjustments (including undergrounding), and drainage, utility, and roadway improvements. KEITH, under a continuing services agreement, assembled a multi-disciplinary team to complete all design aspects. As the Prime consultant, KEITH was responsible for overall team management, engineering, permitting, planning, surveying, public consensus, and construction management.

Pier Parking Garage, Pompano Beach, FL: Task Manager. The parking garage includes five stories, 662 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space. As part of the design-build team, as subconsultant, KEITH was responsible for planning, survey, utility coordination, civil engineering, landscape design, permitting, and construction inspection. Our professional services included extensive community and municipal outreach.

North Pompano Park Improvements, Pompano Beach, FL: Task Manager. KEITH assisted the Client in developing a KEITH Play project that includes several multi-purpose sports fields, concession stands, restrooms, sports and site lighting, walking paths, parking, and dog park at the 20-acre site. KEITH, utilizing a multi-disciplinary team, provided full services to the Client including civil engineering, survey/SUE, landscape architecture, planning, arborist services, tree disposition, and construction management from the early planning stages.

Zone 2 Drainage Study, Plantation, FL: Task Manager. The KEITH Team, under its continuing services contract with the city, was successfully retained to provide a full range of engineering services including an evaluation of the stormwater system and develop a Capital Improvement Program (CIP). KEITH will leverage its expertise in hydrology and hydraulics modeling to evaluate the stormwater system, identify potential areas at risk and evaluate stormwater system upgrades. The study will be presented in the new comprehensive stormwater master plan establishing a policy framework, integrating resiliency, conducts vulnerability analysis, and provides a prioritized improvement program.

Cypress Road Improvements, Plantation, FL: Task Manager. KEITH, under a continuing services contract with the City, assisted with development of this project involving roundabout design, and drainage improvements. Services KEITH provided include survey, SUE, civil engineering, landscape architecture, and transportation engineering.

Sean Halsey
Surveying, Mapping, & SUE | Right of Way Services

Pompano Stormwater - Atlantic Blvd & South Riverside Rive, Pompano Beach, FL: Project Manager. As a subconsultant to Stoner and Associates, KEITH was retained to provide subsurface utility engineering services for Atlantic Boulevard and South Riverside Drive. KEITH performed 25 test holes to identify underground utilities.

Fire Station No. 114, Pompano Beach, FL: Project Manager. The client has requested that KEITH provide SUE services for the Fire Station 114 project. Horizontal utility designation services will be performed to mark detectable utilities along a proposed fence line. A hand-drawn field sketch of discoveries will be included.

Pompano Beach Senior Center, Pompano Beach, FL: KEITH, as subconsultant to Bermello Ajamil & Partners, assisted the Client in developing a KEITH Campus project including the development of a new 8,400-SF senior activity center designed for residents aged 55 and over. KEITH provided services to the Client including civil engineering, survey/SUE, and construction program administration. The KEITH Team assisted the Client in topographic survey, sketch and legal description, horizontal designation and location services, preliminary civil engineering through site plan/DRC, engineering permitting, construction documentation, construction observation, inspection, and certification. The completed project has become a resource in the community for active seniors offering age-appropriate courses and seminars, exercise equipment, games, health screenings, beauty salon, and a meal program.

Dixie Highway and Atlantic Boulevard, Pompano Beach, FL: Task Manager. KEITH, as subconsultant to Kimely-Horn, is assisting the Client in developing a KEITH Access project including a transformative new road project to realign Atlantic Boulevard and create a signature entrance to the heart of the City of Pompano Beach. KEITH provides services to the Client including survey/SUE, and CEI. The KEITH Team is assisting the Client in updating topographic and right-of-way surveys to show all surface features, such as roadways, medians, curbing, sidewalks, driveways, surface utilities, and traffic striping within the scope limits, SUE record research and location services, construction observation, and inspection following FDOT criteria. Improvements to the Atlantic Boulevard and Dixie Highway corridor are the result of a successful collaboration with FDOT to acquire Dixie Highway in its entirety through the City. FDOT transferred almost $5 million in funding to the City, money already designated for their resurfacing of Dixie Highway. Inspired to create a safer, more walkable city, Pompano Beach's plan will become the foundation for its new Downtown community.

Cypress Road Improvements, Plantation, FL: Task Manager. KEITH, under a continuing services contract with the City, assisted with development of this project involving signal upgrades, milling and resurfacing, roundabout design, drainage improvements, additional sidewalk, and the addition of corridor-wide sharrow pavement markings and respective signage. Services KEITH provided include survey, SUE, civil engineering, landscape architecture, and transportation engineering. KEITH also managed a team of professional contractors providing lighting analysis and design and geotechnical services.

SR A1A Improvements, Pompano Beach, FL: Task Manager. Under our continuing services contract for GO Bond Improvements, KEITH assisted the Client in the development of a KEITH Access project. KEITH provided full services to the Client including survey/SUE, civil and transportation engineering, landscape architecture, and construction program management. During coordination it was determined that FDOT had a project overlapping the City's. KEITH coordinated with FDOT to have the funds transferred to the City increasing the construction budget.

Port Everglades Maintenance Building, Fort Lauderdale, FL: Task Manager. KEITH provided planning, civil engineering, and landscape architecture design along with survey, SUE and UC for Port Everglades to construct a new facility to consolidate Port Facilities Maintenance and Operations from the current functions that are located within various buildings throughout the Port Everglades Campus into a central location. KEITH assisted with a programming and recommendations report as a standalone document. This document defined and outlined the facility's needs as a part of design services and was used to determine the size of the facility, number of rooms, spaces, uses and operational adjacencies, employee and port/county vehicle parking, specialized equipment parking, and storage, including, but not limited to, listing and compiling all equipment anticipated and needed to operate the facility in an efficient and effective way. The second phase included the design and preparation of construction documents and permitting phase. After which, the third phase will be the construction of the facility during such a time that construction activities won't interrupt port operations, including but not limited to, traffic, taxi movement and staging, stores truck staging and movement, and other vehicle operations that could potentially impact the port's ability to service its clients.

KELLI SCHUELER, PLA, LEED AP

Chief Landscape Architect



EDUCATION

2003
BS, Landscape Architecture,
Oklahoma State University

YEARS OF EXPERIENCE

Industry: 22
KEITH: 8

PROFESSIONAL REGISTRATIONS

LEED AP

Professional Landscape Architect,
LA6667565, FL, 2021

Professional Landscape Architect,
2959, TX, 2014

Council of Landscape Architecture
Registration Boards (CLARB)
Certified, 00192756

PROFILE

An experienced landscape architect and dedicated project manager, Kelli Schueler provides planning, design and project management services for a wide variety of project types through all phases of the development process. Her knowledge of the local environment, innovative technologies and sustainable best practices is combined with a creative approach that is detail oriented, ensuring designs are implemented both efficiently and accurately. Kelli has a wide range of project experience, but is most motivated by the opportunity to create special moments within the urban environment where hardscape and architectural elements are thoughtfully combined with green space to create impactful places of respite and community within the urban core.

RELEVANT PROJECT EXPERIENCE

Charlotte Burrie Civic Center, Pompano Beach, FL: Landscape Architect. KEITH, under its continuing services contract with the city, as subconsultant, assisted the Client in developing a KEITH Campus project that includes 8,712-SF of multi-purpose spaces for civic, social, and recreational activities, lobby area, reception, administrative offices, conference rooms, 250-seat assembly hall, a fixed platform stage, kitchen, and storage, as well as easy pedestrian ADA-compliant access, a porte-cochère entrance, 48 vehicular and 20 bicycle parking spaces. KEITH provided full services to the Client including civil engineering, permitting, landscape architecture, and construction administration and coordination for the new LEED v4 certified building.

Covered Bridge Park, Parkland, FL: Landscape Architect. KEITH assisted the Client, under its continuing services contract, in developing a KEITH Play project that includes meandering natural trails with a connection to the iconic Covered Bridge, flexible open space, nature playground, meditation garden, and yoga lawn on a 3-acre site. KEITH provided full services to the Client including survey/SUE, civil engineering, landscape architecture, planning, traffic engineering, and construction observation and management. The KEITH Team assisted the Client, as prime consultant.

North Pompano Park Improvements, Pompano Beach, FL: Landscape Architect. KEITH assisted the Client in developing a KEITH Play project that includes several multi-purpose sports fields, concession stands, restrooms, sports and site lighting, walking paths, parking, dog park, and artificial turf and natural sod enhancements at the 20-acre site. KEITH, utilizing a multi-disciplinary team, provided full services to the Client including civil engineering, survey/SUE, landscape architecture, planning, arborist services, tree disposition, and construction management.

Youth Sports Complex, Pompano Beach, FL: Landscape Architect. KEITH assisted the Client in the development of this KEITH Play project that includes several multi-purpose sports fields, clubhouse, restrooms, storage, offices, walking paths, preservation of several mature canopy trees, and a 180-space parking lot in the 10-acre complex. KEITH, as prime consultant, provided full services to the Client throughout all design phases including public outreach, planning, design development and site plan approval, and ultimately permitting and construction observation.

Broward College North Campus Landscape Drainage Project, Coconut Creek, FL: Landscape Architect. KEITH provided surveying, civil engineering, permitting, landscape architectural, construction management, and construction inspection services to address existing drainage issues. This project is being used as a model for future improvements throughout the campus. The school continues to look for ways to update the existing gathering spaces on campus for outdoor seating. Schematic and construction plans were developed to address the drainage and seating requirements, as well as beautify the area.

Kelli Schueler, PLA, LEED AP
Chief Landscape Architect

Ocean Rescue Headquarters, Pompano Beach, FL: Landscape
KEITH Facility project including the addition of a 3,449-SF second f
the total to 5,369-SF. The second-floor addition will include meeting rooms, bathrooms, an IT room, break rooms, and storage. Stakeholder input, including Ocean Rescue personnel, was incorporated throughout the design process. KEITH provided civil engineering, planning, landscape architecture, and construction program management services. The KEITH Team assisted the Client in planning due diligence, drainage, water and wastewater, civil and site design concept plans, preliminary civil engineering through site plan/DRC, engineering construction documentation including paving, grading, and drainage plan, pavement marking and signing plan, water distribution and sanitary sewer plan, erosion control and demolition plan, engineering permitting involving Broward County Environmental Protection and Growth Management Department, FDEP Stormwater, FDEP NPDES/SWPP, Pompano Beach Engineering, and Broward County Traffic Engineering, landscape schematic design through site plan/DRC, tree inventory and appraisal by in-house Certified Arborist, construction documentation, construction observation, inspections, and final certifications. The completed project will further enhance the City's Ocean rescue resources for community safety.

Everglades Holiday Park Site Improvement, Fort Lauderdale, FL: Landscape Architect. KEITH assisted the Client in redeveloping a KEITH Play project involving a $12M expansion and site improvements of this 43-acre county park that serves millions of visitors each year. The site is located at the junction of two SFWMD canals and is part of SFWMD water conservation areas 3A and 3B. The project also included LEED "Green" design principles. KEITH provided the Client civil engineering, planning, landscape architecture, SUE, and construction program management services. The KEITH Team assisted the Client in comprehensive public outreach, conceptual design, permitting, and construction phase services associated with a two-phase development. Permitting was a challenge, as the park is located within the Florida Everglades and spans flood protection levees under the jurisdiction of the Army Corp of Engineers and the South Florida Water Management District. Through constant coordination with Broward County and the concessionaire, the design and construction team were able to satisfy the needs of all stakeholders. The park was kept open throughout the construction process by constructing the project in two phases, with the first phase being utilized for the park users when the contractor moved into Phase 2 of construction. The project had two main goals: to renovate and rehabilitate the park program elements and to allow the community safe and continuous access to the park; these goals were met with distinct and celebrated success. In 2022, Everglades Holiday Park was named as the Trip Advisors Traveler's Choice award, as well as the Florida ACEC Engineering Excellence award and the ASCE Broward Project of the Year.

General Engineering Continuing Services, Coconut Creek, FL: Landscape Architect. KEITH has served as the General Engineering Consultant for the City of Coconut Creek for the past 5 years. KEITH is providing on-going continuing services as needed including civil engineering, surveying, planning, landscape architecture, and construction engineering inspections. Some projects provided under this contract include Coconut Creek Government Center Breezeway, Coconut Creek Fire Station No. 113 Due Diligence, CEI Services for Landscape Improvements for SR 7, Lyons Road Median Enhancements, and Lyons and Cullum Road Improvements.

General Engineering Continuing Services, Hollywood, FL: Landscape Architect. KEITH, under its continuing services contract with the city, assisted the Client in developing KEITH Life projects. KEITH provided professional services to the Client including civil engineering and survey. The KEITH Team provided permitting, engineering plans including water and sewer, paving grading and drainage, signing and pavement marking, stormwater pollution prevention, and bidding assistance. Projects under this contract include Park Boundary Surveys, Citywide Survey Services, ArtsPark, and Hollywood Boulevard (SR 820) Roadway Improvements.

CHRIS PHILLIPS, PLA, ASLA

Chief Landscape Architect



EDUCATION

2011
BS, Landscape Architecture,
University of Arkansas

YEARS OF EXPERIENCE

Industry: 14
KEITH: 6

PROFESSIONAL REGISTRATIONS

Professional Landscape Architect, LA6667361, FL, 2017

ASLA

Council of Landscape Architecture Registration Boards (CLARB) Certified

PROFESSIONAL AFFILIATIONS

American Society of Landscape Architects (ASLA), Member

PROFILE

Chris Phillips is motivated by thoughtfully planned and meticulously crafted outdoor environments and is drawn to the intersection where form, function, and nature seamlessly act as one. Inspired by contemporary styling, he subscribes to a less is more philosophy, producing artful projects that not only make a statement, but when implemented, settle into place, take root, and thrive. He cognitively embraces the essence of a place and develops site details that contribute to a cohesive design. Creating spaces that are harmonious with the environment, Chris integrates architectural elements, grading, hardscape, planting, and lighting, resulting in functional, dynamic, and balanced spaces that connect the world of nature with man-made elements and human needs.

RELEVANT PROJECT EXPERIENCE

Covered Bridge Park, Parkland, FL: Landscape Architect. KEITH assisted the Client, under its continuing services contract, in developing a KEITH Play project that includes meandering natural trails with a connection to the iconic Covered Bridge, flexible open space, nature playground, meditation garden, and yoga lawn on a 3-acre site. KEITH provided full services to the Client including survey/SUE, civil engineering, landscape architecture, planning, traffic engineering, and construction observation and management. The KEITH Team assisted the Client, as prime consultant.

North Pompano Park Improvements, Pompano Beach, FL: Landscape Architect. KEITH assisted the Client in developing a KEITH Play project that includes several multi-purpose sports fields, concession stands, restrooms, sports and site lighting, walking paths, parking, dog park, and artificial turf and natural sod enhancements at the 20-acre site. KEITH, utilizing a multi-disciplinary team, provided full services to the Client including civil engineering, survey/SUE, landscape architecture, planning, arborist services, tree disposition, and construction management.

SR A1A Improvements, Pompano Beach, FL: Landscape Architect. Under our continuing services contract for GO Bond Improvements, KEITH assisted the Client in the development of a KEITH Access project including streetscape improvements such as landscaped medians, widened sidewalks where Right-of-Way is available, and street lighting. KEITH provided full services to the Client including survey/SUE, civil and transportation engineering, landscape architecture, and construction program management. The During project coordination it was determined that FDOT had a resurfacing project overlapping the City's planned project. KEITH coordinated with FDOT to have the funds transferred to the City increasing the construction budget.

Fire Station No. 24, Pompano Beach, FL: Landscape Architect. The City of Pompano Beach requested the replacement of the existing Fire Station No. 24 with a new two-story, four-bay fire station. The City was so pleased with the previous work done on Fire Station 11 that the design and development was used for Fire Station No. 103 and served as the prototype design for this design/build project. KEITH, as a subconsultant, provided engineering design and permitting, project coordination, surveying, landscape architecture, and construction services. The station was designed to achieve a minimum LEED level of Silver Certification.

Government Center Breezeway, Coconut Creek, FL: Project Manager. KEITH assisted the Client, under its continuing services contract with the City, in developing a KEITH Campus project that included conceptual master planning, courtyard, and parking area, as well as schematic level designs for the breezeway. KEITH provided services to the Client including geospatial, civil engineering, landscape architecture, and environmental public art and design.

Chris Phillips, PLA, ASLA
Chief Landscape Architect

City of Hollywood Arts and Cultural Center, Hollywood, FL: Project Manager. KEITH assisted the Client with the redevelopment of a KEITH Life/KEITH Campus project that includes a 5,400-SF education space for dance, music, visual arts, and new media, galleries, administrative offices, and an outdoor courtyard. KEITH provided full services to the Client including survey and mapping, civil engineering including paving, grading and drainage, water distribution and sanitary sewer plans, stormwater prevention, hardscape and paving, landscape and irrigation design, and construction observation. The KEITH Team assisted with the site plan and site development of all onsite improvements. This was the first project in the City's plan to modernize and increase capacity for arts programming at the 1.2-acre site. Future expansion will include construction of a new performing arts studio and renovation of gallery spaces.

Pine Trail Park - Playground Update, Parkland, FL: Project Manager. KEITH, under our continuing services agreement with the City, assisted the Client in developing a KEITH Play project that included the revitalization of Pine Trails Park Playground and Field. KEITH provided full services to the Client including geospatial and civil engineering, landscape architecture, and construction management. The KEITH Team assisted the Client in revitalizing this highly-popular park for the City of Parkland residents and visitors including upgrades of turf surfacing, poured-in-place rubber, drainage improvements, topography and tree surveys, drainage, hardscape and paving, fine grading, landscape design, site lighting, specialty features, permitting, bidding assistance, and construction observation.

Monthly Planning Services, Pembroke Park, FL: Landscape Architect. KEITH has proudly served the Town under a continuing services contract, delivering comprehensive planning, engineering, and landscape architecture solutions. Our partnership reflects a shared commitment to enhancing infrastructure, promoting sustainable growth, and improving the quality of life for residents. Some notable projects under this contract include Various Zoning Text Amendments: New Mixed-Use/Entertainment District, Quasi-Judicial Proceedings, Signage, Live Local Act; Site Plan Review of Major Developments: Seneca Town Center (Wawa, Hospital & Extra Storage), Magnolia Townhomes, Prologis, Pembroke Oakes, Pembroke Villas; Comprehensive Plan Amendments: SW 30th Avenue Mixed-Use/Entertainment District, and Trinity Broadcasting.

Annie Gillis Park, Pompano Beach, FL: Landscape Architect. KEITH, under its continuing services contract with the city, assisted the Client in developing a KEITH Play project that included the development of a small park serving the local community integrating historically important elements and providing flexibility to create larger gathering spaces for events ensuring that, when not being used for events, the day-to-day visitor feels comfortable in the space. KEITH provided full services to the Client including civil engineering, survey, planning, and landscape architecture. The KEITH Team assisted the Client with integrated drainage plans allowing a resilient approach to infrastructure creating a functioning park with plaza, fitness areas, signage, and special events lawn. The project has become a focal point of the neighborhood at MLK Boulevard and NW 6th Avenue welcoming visitors and hosting events throughout the year.

Blanche Ely Estates, Pompano Beach, FL: Landscape Architect. KEITH is assisting the Client in developing a KEITH Life project including 36 single family homes, community clubhouse, tot lot/open space, and room for a splash pad. KEITH provides full services to the Client including civil engineering, landscape architecture, survey, SUE, and planning. The KEITH Team is providing landscape plans in keeping with Florida Friendly Landscaping guidelines. In addition, the team worked closely with the architect to provide initial site design layouts for each individual lot. The homes will be certified as affordable increasing the number of safe and affordable housing units for the residents of Pompano Beach.

Youth Sports Complex, Pompano Beach, FL: Landscape Architect. KEITH assisted the Client in the development of this KEITH Play project that includes several multi-purpose pitches, clubhouse with concessions, restrooms, storage, offices, landscaped walking paths, preservation of several mature canopy trees to provide a park experience that affords ample shade, and a 180-space parking lot in the 10-acre complex. KEITH, as prime consultant, provided full services to the Client throughout all design phases including public outreach, planning, design development and site plan approval, and ultimately permitting and construction observation. This brand-new park in the City's portfolio was designed to be a year-round destination for the community it serves.

Mullet Alley Plaza, Pompano Beach, FL: Landscape Architect. KEITH provided geospatial, civil engineering, and landscape architectural services for the development of a mixed-use plaza in Old Pompano, occupying an existing alley/parking lot area. KEITH's services included utility coordination and investigation, a conceptual site plan, conceptual design engineering, and final engineering plans. The approved conceptual design plan includes paving, grading and drainage plans, water and sanitary sewer plans, site demolition plans, stormwater erosion control plans, permitting, hardscape plans, tree inventory and appraisal, landscape and irrigation plans, and construction administration services for the 0.3-acre site.

moffatt & nichol

Larry DeRose, PE

Hydraulic Structures, Design, and Modeling | Permitting | Special Inspection Services

EDUCATION

BE, Engineering, Stevens Institute of Technology, 1973

REGISTRATION

Professional Engineer:
Florida, #20169

CERTIFICATIONS

State Certified Threshold Building Inspector

AFFILIATIONS

Member, Fellow, American Society of Civil Engineering

Member, Post Tensioning Institute

EXPERIENCE

Lawrence (Larry) DeRose has more than 40 years of marine, structural, and civil engineering consulting experience in South Florida with an emphasis on port, marine, structural, land development, and terminal projects, from planning to construction certification. Larry's professional background includes all levels of experience in his areas of specialization, ranging from the most basic to management of complex projects, and in a broad variety of studies involving the practical applications of hydrology, hydraulics, fluid mechanics, and structural mechanics. He is experienced in all aspects of planning and directing studies that involve large- and small-scale site development for government planning programs, including feasibility, construction, and development.

REPRESENTATIVE PROJECT EXPERIENCE

PortMiami Shore Power Pilot Study, Miami, FL. Ports lead responsible for the Terminal B shore power basis of design package and review of the 90 percent shore power design on this PortMiami project.

San Juan Cruise Terminal Development Project, City or County, State. Ports lead responsible for the project management on this Puerto Rico Port Authority project.

The Isle of Capris Casino, Pompano Beach, FL. Principal-in-charge of engineering for numerous projects at this facility. The Isle Casino Racing Pompano Park is a 223-acre complex consisting of a 157,000-square-foot harness racing building and a 16,000-square-foot casino building, along with the appropriate site appurtenances (stables, dormitories, racetrack, etc.). Services have included civil, structural, mechanical, electrical, plumbing, and fire protection engineering. *This project was completed in 2015.*

Nautilus Hotel, Miami Beach, FL. Principal-in-charge for engineering services for the renovation of a historic art deco property into a 250-room hotel, bringing luxury amenities to the property, while preserving the iconic, landmark features including Lapidus's signature "staircase to nowhere." The post-tension, long-span *porte cochère* was reconstructed and the 25-foot ceiling heights in the lobby were maintained. New amenities include a 1,890-square-foot heated saltwater pool, gym, spa, the Nautilus Cabana Club, outdoor deck and bar, and cabanas. (Professional Services: 2012; Construction Services: Ongoing)

Claremont Hotel, Miami Beach, FL. Principal-in-charge for renovation of the historic 1940s Claremont Hotel, which was transformed into a modern hotel while preserving its original mid-century art deco style exterior architecture. Services included civil, structural, mechanical, electrical, and plumbing engineering. To meet the latest in hotel standards, the interior was completely remodeled, and the exterior modified to add modern day amenities.

Fort Lauderdale Executive Airport U.S. Customs and Border Protection Services Building, Fort Lauderdale, FL. Principal-in-charge and structural engineer for this new LEED Silver U.S. Customs and Border Protection Services facility at one of the busiest general aviation facility airports in the country. The new 7,700-square-foot, single-story building was designed with dedicated 100 percent outdoor air conditioning systems for detention areas, and a dedicated outdoor air system for the general HVAC systems,

digital compressor technology, and energy recovery wheel. Closed loop ductwork and a refrigeration heat recovery system for hot water preheating were used to increase energy efficiency.

Fort Lauderdale Executive Airport Administration Building and Police Sub-Station, Fort Lauderdale, FL. Principal-in-charge and structural engineer for design-build of a 10,000-square-foot administration building and police sub-station. The building is positioned in the center of the north property line and was elevated to provide a view of the entire airport facility. A large central conference room is in the center of the building and was equipped with audio/visual equipment, telephone, and data connections to allow this room to serve as an emergency operations center for the City of Fort Lauderdale.

Jackson South Community Hospital Helipad, Miami-Dade County, FL. Principal-in-charge/structural engineer for structural design of a 48-foot by 48-foot (2,300-square-foot) helicopter landing platform that was installed on the roof of the facility's emergency room building using the existing building structure as base support. The helipad platform includes a rooftop walkway to access, a new elevator, and stair tower: servicing the existing emergency room facilities. Emergency room services remained uninterrupted and unaffected during construction. While complying with all applicable building code sections, the project meets all FAA and AHCA requirements.

Fort Lauderdale-Hollywood International Airport Terminal 4 Gate Replacement West, Fort Lauderdale, FL. Principal-in-charge of threshold inspections for the demolition, erection of temporary facilities, and construction of the new terminal. Services included inspection of foundation piles, selective demolition, light gauge members, and preparation for inspection of cast-in-place frames and precast decks for the new building. Assisted in the creation of the QA/QC procedures and standards.

Central Broward Regional Park, Lauderhill, FL. Principal-in-charge/prime consultant responsible for civil, structural, mechanical, electrical, and plumbing design of a 110-acre park. It included a 5,000-seat multipurpose stadium and entertainment complex that can be expanded to hold 20,000 spectators, an aquatics complex featuring an instructional swimming pool and an activity pool with modern play equipment features, a boat rental facility, four lighted soccer/football fields or two cricket pitches, and courts for netball, tennis, and basketball.

Broward County Edgar P. Mills Multi-Purpose Center, Fort Lauderdale, FL. Principal-in-charge/structural engineer for design of a three-story 50,000-square-foot facility, a three-story parking garage that accommodates 324 vehicles, an outdoor covered eating area and covered walkways. The center houses Broward County social services departments that provide assistance to the elderly, families, veterans, and those most at risk, by providing case management, emergency assistance, substance abuse treatment and counseling, family planning, financial assistance, housing assistance, health care and dental services clinics, and a dispensing pharmacy operated by the Broward County Health Department. The building received LEED Silver certification.

Greater Fort Lauderdale/Broward County Convention Center Expansion, Fort Lauderdale, FL. Provided structural and civil engineering services for the addition of 50,000 square feet of exhibition space with 180-foot elevated steel trusses. To support convention growth throughout South Florida, the space created more meeting rooms, larger pre-function space in the grand lobby, new administrative offices, and an elevated, climate-controlled pedestrian skywalk on the second floor leading to the parking garage.

moffatt & nichol

Ludovic Binner, PE

Special Inspection Services

EDUCATION

MS, Civil Engineering, Ecole Nationale Supérieure des Arts et Industries de Strasbourg, France (INSA – Strasbourg), 2001

AS, Engineering, University of Paris VII, Paris France, 1997

REGISTRATION

Professional Engineer:
Florida, #72274, 2011

Puerto Rico, #28771, 2023

EXPERIENCE

Ludovic Binner is a senior structural engineer with experience in structural design, wind frame analysis, calculations, special inspections, and construction administration for projects in the United States and France. He has worked on a variety of projects including multi-level hotels and resorts, educational facilities, community centers, sports arenas, park facilities, performing arts buildings, and marine facilities structures. Ludovic has experience as a project manager on both private and public sector work, leading intensive coordination between engineering disciplines, consultants, and clients.

REPRESENTATIVE PROJECT EXPERIENCE

Bahia Mar Seawall Improvements, Fort Lauderdale, FL. Structural engineer for this PRH/TRR Bahia Mar Holdings, LLC project for the City of Fort Lauderdale. The Bahia Mar Redevelopment Project involves the raising of the existing bulkhead so that it will comply with the current City of Fort Lauderdale seawall ordinance. M&N was selected to evaluate the existing bulkheads to develop a combination of adaptation strategies, shoreline improvements, and/or replacement recommendations for raising the existing shoreline elevations. The scope of work includes initial data collection, planning, and environmental permitting strategy informed by field observation, data review, and the design team's input to develop a road map for raising this shoreline.

NPS Castillo de San Marcos Seawall Repair, St. Augustine, FL. Structural engineer for this Croft and Associates, PC project for the National Park Service. The M&N team is reviewing metocean conditions and anticipated local sea level rise to evaluate resiliency alternatives into the repair of the sea wall of the oldest masonry fort in the United States. The unique material and the site's cultural history make it challenging to raise and repair the seawalls to adapt to increasing storm surge height and build resiliency against coastal flooding during storm events. The M&N team is evaluating more than 15 different alternatives for the various types of wall segments to maintain the site's historic heritage and cultural integrity.

Terminal Island Marina Redevelopment, Miami Beach, FL. Structural engineer for this Lincoln Park Company project, which includes full replacement and reconfiguration of the existing 1,300-linear-foot bulkhead along this triangular-shaped waterfront property, with capabilities to support megayacht operations as well as mooring structures and marina utilities, while considering the client's plans for an upland development involving future vertical construction, working to minimize potential impacts to this future upland development.

Fleet Landing at Nocatee Pond Bulkhead Engineering, St. Johns County, FL. Structural engineer for this Perkins Eastman project for the Naval Continuing Care Retirement Foundation, Inc. M&N is providing consulting engineering services for the Marine Works at the Fleet Landing at Nocatee site. The project involves coordination and review with the client and project team for the bulkhead design, geotechnical report, site plan, topographic survey, building foundations and civil engineering plans. In addition, M&N will develop the bulkhead preliminary and final design.

Sea Air Bulkhead Inspection, Hollywood, FL. Structural engineer for this Sea Air Owner LLC project. The project involved the completion of a marine structures inspection,

hydrographic survey, marine benthic resource mapping and initial docking facility development strategy discussions at the Sea Air site.

Broadstone Westshore Bulkhead, Tampa, FL. Structural engineer for replacement of a 1,200-linear-foot bulkhead for the development of an existing commercial parcel into a multi-family complex. The schematic phase included preliminary proportioning of various alternative bulkhead systems for incremental water depths and minimizing interferences with proposed upland structures. For each alternative, opinions of probable costs were prepared to support stakeholder decisions.

Bal Harbour Jetty Improvements, Village of Bal Harbour, FL. Structural design engineer responsible for modeling and proportioning of various elements including replacement of seawall featuring decorative precast panels, analysis of precast modules for cantilevered catwalks and plaza bearing on the existing jetty, and replacement safeguard wall and timber boardwalks. Assisted lead engineer in preparation of construction details.

St. Maarten Pier and Causeway Assessment, Port St. Maarten. Structural engineer for this Port Sint Maarten Group of Companies project. M&N is conducting comprehensive underwater inspection and evaluation of waterfront structures at the Port of Sint Maarten to identify relevant defects that may compromise the integrity of the structures and document the general condition of the facility. A mooring and berthing analysis will also be conducted to evaluate the available berthing capacity and constraint of the existing Cruise Pier North (CPN).

Penrod Residence Bulkhead Replacement Initial Design and Environmental Permitting, Miami Beach, FL. Structural engineer. M&N is providing construction administration, site visits and inspection, and environmental permit administration and close-out associated with the installation of the upland tidal flood barrier and riprap revetment structures designed M&N under previous tasks within this contract for the Penrod Residence property.

NBV Civic Park Living Shoreline and Kayak Launch Design, North Bay Village, FL. Structural engineer for this EAC Consulting, Inc. project for the City of North Bay Village. The project includes enhancing the public waterfront access through the addition of a kayak launch, while improving the water quality and storm resistance with a raised living shoreline.

San Juan Cruise Terminal Development Project, San Juan, Puerto Rico. Structural engineer for this ENKA Construction and Development B.V. project for the Puerto Rico Port Authority. This project involved the concept design of a quay structure for a proposed new cruise ship terminal and the development and upgrading of various piers within the bay to improve their structural integrity and allow for service of larger vessels.

Pompano Aviation Center, Aviation Center of Pompano Beach, Pompano Beach, FL. Structural design for concrete foundations for a series of pre-engineered steel buildings intended as private planes hangars. As part of the design phase and for each building geometry, investigated various configurations of shallow foundation systems for cost effectiveness. Steel columns base anchoring zones into concrete were discretely examined for confinement reinforcing.

Port Everglades Shore Power, Ft. Lauderdale, FL. Structural engineer for this Broward County - Port Everglades Department project. Project involved the design, building, and financing of Shore Power Infrastructure Development for the Port Everglades Cruise Terminals 2, 4, 18, 19, 21, 25, 26, and 29.

moffatt & nichol

Tim Blankenship, PE

Structural / Building Design / Repair & Rehabilitation / Bridge / Misc Structures / Erosion Control | Environmental Engineering

EDUCATION

ME, Coastal Engineering, Old Dominion University, Virginia, 1994

BS, Civil Engineering, Old Dominion University, Virginia, 1992

REGISTRATION

Professional Engineer:
Florida, #55910, 2000

Virginia, #0402032214, 1999

AFFILIATIONS

Florida Engineering Society

American Society of Civil Engineers (ASCE), Miami-Dade Branch, Past President

ASCE, Ports and Harbors Committee, Engineer/Diver Standard Task Committee

ASCE, Florida Section, Report Card on Florida Infrastructure Committee on Coastal Areas

EXPERIENCE

Tim Blankenship has extensive experience as a coastal engineer having completed beach nourishment, inlet, and coastal structure studies and design throughout Miami-Dade County and the Florida Keys. He led coastal engineering teams in the numerical modeling of the shoreline with DHI MIKE sediment transport numerical models. He has completed design and permitting for several truck haul nourishment projects that have included erosion "hot spot" areas. He has also managed teams with site-specific coastal engineering analyses and private development projects to evaluate coastal erosion, wave forces, and hydraulic flow due to storm surge.

REPRESENTATIVE PROJECT EXPERIENCE

North Bay Village Seawall Ordinance Development, FL. Project principal responsible for the evaluation of the shorelines of this municipality in Biscayne Bay and the development of standards for shoreline stabilization to protect the Village and infrastructure from coastal storms and sea level rise. Standards developed ranged from seawalls to living shorelines, and alternatives were developed for innovative systems. Determined minimum seawall elevations for the Village and developed adaptation measures to incorporate into the ordinance.

West Avenue Phase II Improvements, Miami Beach, FL. Project principal for waterfront components of the design-build construction of roadway and infrastructure improvements north of 14th Street along West Avenue to Lincoln Road. Working with the contractor and lead designer, M&N's responsibilities include waterfront structural improvements to the Lincoln Road street end along with the relocated dissipator box at the end of West Avenue to accommodate the outfall infrastructure for the 120,000-gpm stormwater pump station at 1671 West Avenue. In addition, the firm is designing and permitting the overwater baywalk that will connect Lincoln Road and the existing baywalk along the waterfront street end of Lincoln Terrace. (2017 to Present) 9880

West Avenue Phase II Improvements, Miami Beach, FL. Project principal for waterfront components of the design-build construction of roadway and infrastructure improvements north of 14th Street along West Avenue to Lincoln Road. Working with the contractor and lead designer, M&N's responsibilities include waterfront structural improvements to the Lincoln Road street end along with the relocated dissipator box at the end of West Avenue to accommodate the outfall infrastructure for the 120,000-gpm stormwater pump station at 1671 West Avenue. In addition, the firm is designing and permitting the overwater baywalk that will connect Lincoln Road and the existing baywalk along the waterfront street end of Lincoln Terrace. (2017 to Present) 9880

Marjory Stoneman Douglas Visitor Center, Everglades City, FL. Senior civil engineer for Moffatt & Nichol's waterfront engineering scope of work responsible for waterfront improvements design. A replacement structure and overall site improvements to the Gulf Coast Visitor center were required because of severe damage from Hurricane Irma in 2017. The main requirements for the project were resiliency and provisions for climate change. Raising the entire waterfront site by several feet was needed to satisfy flood resiliency objectives. This required a complete replacement of the bulkhead along the shoreline and marina basin and implementation of upland retaining walls.

Improvements also included adding a combination of small craft and accessible kayak launch ramps.

Village of Key Biscayne Resilient Infrastructure Program Strategy and Integrated Implementation Plan, FL. Project manager for a technical advisory role to support the Village with the USACE CSRM study for the development of shoreline stabilization and flood protection alternatives for the beaches and back bay as part of the Village's Elevating Our Island Paradise Resilience Program with the goal of protecting the Village from the effects of flooding, sea level rise, and environmental changes. Developing alternative solutions for shoreline stabilization, working with USACE and Village to integrate nature-based solutions for shoreline stabilization.

PortMiami Wharves I-VII Bulkhead Replacement, Miami-Dade County, FL. Project engineer responsible for leading environmental permitting, design, and environmental permitting consulting relative to determining suitable mitigation options for bulkhead replacement marine resource impact areas. Conducted in-water biological assessments of the impact site (bulkhead to be replaced) and designed a 1.655-acre mitigation site at a County-designated artificial reef deployment site. Prepared construction plans and specifications and assisted PortMiami with construction bidding and construction management.

Swire Back Bay Coastal Storm Risk Management Study (CSRM), Miami-Dade County, FL. Project manager for the evaluation of shore protection alternatives to the proposed floodwall developed by USACE for the downtown waterfront as part of the CSRM study with the county. Developed living shoreline with adaptable system of oyster reefs, revetment, mangroves, and seagrass habitat as a green infrastructure alternative to the floodwall. Worked with the local developer, Swire Properties, along with the City of Miami and the county to develop consensus with stakeholders for adaptable and resilient shore protection system to be incorporated into the CSRM report.

Coastal Consulting Services, Lauderdale-By-The-Sea, FL. Senior coastal engineer for the planning, scoping, and funding efforts for development of a Dune Master Plan. Services include writing NFWF and FDEP Coastal Partnership Initiative grant applications for developing a Dune Master Plan to restore 10,600 linear feet of existing dune and construct approximately 1,600 linear feet of dune to optimize shore protection and improve ecological habitat value. We anticipate the Dune Master Plan will include a coastal engineering assessment using FEMA-approved models to document the influence of a range of dune topographic elevations/profiles on local flood zone designations and to help optimize the preliminary dune design.

Dinner Key North Mooring Field, Miami, FL. Senior engineer overseeing design and engineer-of-record. Managed the marine resource and hydrographic surveys conducted, and the mooring field layout was established based on minimum water depths required to protect water quality. Moffatt & Nichol was contracted for the marine structures design and environmental permitting of a public managed mooring field, along with associated channel realignment and motorized vessel exclusion zones.

Labadee Cruise Pier Evaluation, Haiti. Project manager for the above/below water evaluation of the cruise ship pier operated by Royal Caribbean at the Labadee cruise ship destination. Pier consisted of steel pipe piles, concrete caps, and decks. Engineer-divers evaluated the 1600-foot-long pier, and a comprehensive inspection report was prepared documenting the assessment with repair and maintenance recommendations. Continuing to work with Royal Caribbean on management of the marine infrastructure with prioritized repairs for long term serviceability of the marine infrastructure.

moffatt & nichol

Toan Nguyen, PE

Structural / Building Design / Repair & Rehabilitation / Bridge / Misc Structures / Special Inspection Services

EDUCATION

BS, Civil Engineering, Structural Emphasis, University of Florida, 2012

REGISTRATION

Professional Engineer: Florida, Structural, #86435, 2019

AFFILIATIONS

American Society of Civil Engineers, Member

American Institute of Steel Construction, Member

EXPERIENCE

Toan Nguyen is a structural engineer with 13 years of experience in structural design, wind frame and gravity load analysis, calculations, special inspections, and construction administration for projects throughout the United States, utilizing various codes and engineering application software. He has worked on a variety of engineering projects including marine port facilities and structures, multi-level hotels and resorts, educational facilities, community and cultural centers, sports arenas, and performing arts buildings.

REPRESENTATIVE PROJECT EXPERIENCE

San Juan Cruise Ports Development, San Juan, Puerto Rico. Structural engineer responsible for performing structural analysis and evaluation of existing 1,200-foot long cruise pier and dolphin structures for load rating and proposed load demands. Provided design of new high-capacity mooring dolphins for a sophisticatedly unique mooring and berthing load patterns and combinations for this ENKA Construction and Development project.

Billfish Marina, Fort Lauderdale, FL. Structural engineer and Owner's Representative for jobsite monitoring and inspections. Provided conceptual planning and designs and cost estimating of waterfront mooring, berthing, and inland load relieving platform systems for recreational superyacht and sportfishing vessels.

City of Miami Beach 7th Street Parking Garage Condition Assessment, Miami Beach, FL. Structural engineer who performed onsite structural condition assessment and examination of the existing highly occupied concrete parking garage. Provided technical reports presenting structural calculations, evaluation and conclusion based on local and national guidelines.

Port Miami SFCT Cargo Yard Densification eRTG Addition, Miami, FL. Structural Engineer-of-Record for the design and coordination of new seven concrete runways (2,500 ft each) for new electric rubber tire gantry cranes, twenty-two structural steel reefer rack structures (of 6 container high), and five hi-mast pole foundations on a 40-acre cargo container yard. Services provided from design phase, bidding permitting, construction administration and special inspections.

Port Everglades Southport Turning Notch Expansion Project Phase II/III, Fort Lauderdale, FL. Structural engineer in Phase II and III and Engineer-of-Record for the design of a relieving platform stretching across two berths, responsibilities included performing design and coordination for the unique design of the cargo container berth pile supported relieving platforms and high mast lighting foundations in a thick layer of landfill debris. Partly provided field special inspections on the construction of a 4,500 feet of reinforced concrete bulkhead beams over deep piling and tie-rod anchor systems.

Aquatic Center Renovation Design-Build, Fort Lauderdale, FL. Lead structural engineer and Engineer-of-Record for project involving renovations and replacement of three Olympic sized Pools, a new iconic 27-meter concrete Dive Tower, a 1,600 seat grandstand building, a two-story viewing and concession building, new scoreboard structure and pool deck slab; all on deep concrete foundations. Responsibilities include overseeing design work of structural designers and drafters, performing structural wind

load and frame analysis, designing and detailing of all structural components. Work also includes design for removing the existing 50-meter main Competition and 20ft-deep Dive pools, closely coordinating with contractor and architect, and responsibility for all structural construction administration tasks. Numerous design challenges had to be resolved with high water table and tidal fluctuation, causing tremendous hydrostatic forces to the pool shells, particularly the 20ft deep Dive Pool and dive tower foundation, in corrosion aggressive environment and high wind velocity zone.

U.S. Post Office (USPS) Buildings and Apple Facilities Structural Condition Assessment, New Orleans, LA. Senior Structural Engineer who performed structural analysis and evaluation of present building conditions for safety, due to the impact of the hurricane Ida. The project includes six USPS buildings and eleven Apple warehouses and office buildings that suffered from the impact of the hurricane wind forces. Responsibilities also include writing complete structural condition assessment reports and coordination with building owners to ensure safety for the public.

Dr. Martin Luther King, Jr. Metrorail Station Parking Garage, Miami, FL. Structural Engineer for a three-level parking garage that encompasses approximately 300,000 square feet of total space and provides parking space for government employees working in the adjacent government office building and Metrorail passengers. Responsibilities include performing detailed condition assessment, providing in-depth structural forensic analysis, evaluation and written report on existing concrete deficiencies of precast joist and soffit beam floor framing system.

Port Everglades Terminal 2 and 4 Parking Garage, Fort Lauderdale, FL. Structural engineer for project consisting of a five level (providing for two-level addition), 162,240-square-foot footprint, post-tension concrete framed garage, a 700-foot elevated steel framed box-girder truss pedestrian bridge, two external flyover vehicular ramps provide express entering and exiting to the garage second level. Access to the Port secured area is provided through a standalone checkpoint structure. The building was designed to FBC-2017 and intended as a ParkSmart certified building. Actively served as structural engineer for coordination, analysis, design and detailing of various parts of the project including its entire building foundation system, all post-tensioned concrete beams and slab systems of all seven-floor levels. Additional work included intensive field special inspections and construction administration services.

Port of Miami Terminal F, Miami, FL. Structural engineer involved in design, services during construction, and performed complete special inspections. A three-story pre-cast and mildly reinforced concrete frame Cruise Port Terminal and Passenger Bridge. This fast-paced, design-build project includes strategic demolition of existing structures, and monitoring of existing tunnel beneath the proposed structure, particularly during the construction of auger-cast concrete piles.

moffatt & nichol

Tom Fucigna

Stream Mitigation Site Plan | Wetland, Stream & Buffer Permitting | Environmental Engineering

Tom is a senior environmental scientist with over 30 years of experience. He specializes in conducting natural resource assessments and coordinating issuance of environmental regulatory permits from local, state and federal agencies. He has been involved in numerous public and private projects in South Florida, in upland, wetland, coastal and offshore habitats, and has supported projects ranging in size and complexity from single family lots to replacement of the Jupiter US 1 bridge for FDOT.

His background includes wetland delineation, permitting and mitigation; permit feasibility and alternatives assessments; and wildlife and protected species surveys, relocations and management plans. He has extensive experience interacting with local, state and federal environmental regulatory agency staff in permitting and compliance and has served as a team member involved in planning, design, permitting, construction and monitoring of multi-disciplinary projects for a variety of client types.

EDUCATION

BS, Marine Sciences/Biology, 1981

Post Grad Coastal Mgmt classes, Nova Southeastern University

CERTIFICATION

Professional Association of Diving Instructors (PADI), Advanced Open Water Scuba Diver

100-ton USCG Captain's license

REPRESENTATIVE PROJECT EXPERIENCE

Jupiter US 1 bridge replacement, Palm Beach County – Prepared applications for a US Coast Guard (USCG) Bridge Permit and State of Florida Environmental Resource Permit (ERP), for reconstruction and improvements to of an existing bridge crossing the Loxahatchee River. Coordinated with staff from USCG, the U.S. Army Corps of Engineers (USACE), the Florida Department of Environmental Protection (FDEP), U.S. Fish and Wildlife Service (USFWS), National Marine Fisheries Service (NMFS), Florida Fish and Wildlife Conservation Commission (FWC) and local municipal entities in coordinating issuance of environmental regulatory permits and authorizations, and approval of design features and mitigation measures for this FDOT project. Bridge reconstruction is currently nearing completion.

17th St bridge repairs, Vero Beach, Indian River County – Conduced site assessments and prepared applications for a USCG Categorical Exclusion, USACE Nationwide Permit and an FDEP ERP, for partial reconstruction and repairs to an existing bridge crossing the Indian River Lagoon. Coordinated with staff from USCG, USACE, FDEP, USFWS, NMFS, FWC, and local municipal entities in coordinating issuance of environmental regulatory permits and authorizations for this FDOT project that replaced several bents and underlying scour protection at the eastern end of the bridge. Bridge repairs have been completed.

US Highway One Bridges Water Main Relocation Project Wetland and Seagrass Mapping, Jupiter, Palm Beach County, FL. Conducted in-water mapping of seagrasses and mangroves vegetation within 50 feet on either side of a proposed directional bore project centerline at two existing bridges. Results of the field survey were utilized by FDOT and the Town of Jupiter in designing and permitting a directional bore water main replacement pipeline.

Six Fisher Island Mooring Improvements – Prepared applications and are currently coordinating issuance of environmental regulatory permits for replacement of a bulkhead, dredging and installation of mooring piles in an existing boat basin adjacent to Biscayne Bay. We have prepared and submitted environmental regulatory permit applications to USACE, FDEP and Miami-Dade County DERM, and are coordinating with NMFS and FWC to agree upon a coral protection/relocation plan.

Sage Intracoastal Dock Replacement, Fort Lauderdale, FL - Prepared applications and are currently coordinating issuance of environmental regulatory permits for replacement of an existing multi-family residential dock adjacent to the Intracoastal Waterway. We have prepared and submitted environmental regulatory permit applications to USACE, FDEP and Broward County, and are coordinating with USACE regarding navigational safety setbacks.

Diplomat Landings Marina Reconfiguration, Hollywood, FL - Prepared applications and are currently coordinating issuance of environmental regulatory permits for replacement of an existing 32-slip residential dock adjacent to the Intracoastal Waterway. We have prepared and submitted environmental regulatory permit applications to USACE, FDEP and Broward County, and are coordinating with USACE regarding navigational safety setbacks.

Perico Island Marina, Anna Maria Sound, Manatee County, FL. Technical director who conducted seagrass surveys, and habitat mapping, obtained permits and modifications, and developed a multi-faceted wetland mitigation and seagrass protection plan in support of permitting a new 120-slip marina on Perico Island for client, Minto Communities Florida.

Southern Resource Recovery Plant and Ash Landfill mitigation - Conducted contractor coordination, construction monitoring and five years of success monitoring at five mitigation sites totaling 250 acres of wetland preservation, enhancement and preservation for the Broward County Office of Integrated Waste Management wetland mitigation projects. Projects included planting native vegetation, removal of exotic vegetation, establishment of appropriate hydrologic conditions, and wildlife habitat enhancement.

moffatt & nichol

Tom Fucigna

Stream Mitigation Site Plan | Wetland, Stream & Buffer Permitting | Environmental Engineering

Miami Boat Show Temporary Marina, Dade County, FL. Assisted the National Marine Manufacturers' Association in obtaining state and federal permits for construction of a temporary 222-slip exhibition marina at the Miami Yacht Club on Watson Island, in Biscayne Bay. Assessed existing conditions, including extensive seagrass mapping, and provided an environmental assessment of predicted effects of construction, use and disassembly of the marina. The temporary marina was successfully permitted and utilized as the first use of this site for this purpose.

Frenchman's Harbor, Palm Beach County, FL. Conducted site assessments, permitting, wildlife relocation and monitoring**,** for a residential community on the Atlantic Intracoastal Waterway. Conducted construction management, success monitoring and reporting for mitigation construction of 22 acres of upland preservation, and creation of 22 acres of tidal mangrove wetland plus a successful seagrass habitat creation area. Obtained permit modifications for multi-lot dock construction and dredging. Completed seagrass surveys for one mile of shoreline.

Camp Lejeune DEIS - Field manager for a comprehensive environmental inventory including habitat mapping, wetland delineation, and wildlife and fishery surveys for the of Environmental Impact Statement for a 40,000-acre expansion of Marine Corps Base Camp Lejeune, NC, for client, U.S. Department of the Navy.

Biscayne Bay Force Main, Miami, FL. Project manager and field biologist who assessed impacts to seagrasses in 5,550-foot long by 600-foot-wide Biscayne Bay Forcemain Installation Corridor, between downtown Miami and Virginia Key, and prepared an environmental mitigation plan to address impacts. The mitigation plan was accepted by Dade County DERM and successfully implemented by Meisner Marine, the client (now Orion Marine Group Inc).

AICW and Dania Cut-Off Canal, Seagrass and Bottom Characterization Study, Broward County, FL. Technical director who surveyed the seven-mile project area by video tow of the Atlantic Intracoastal Waterway and Dania Cut-off Canal for a Florida Inland Navigation District proposed dredge project.

Pembroke Falls Residential Development, Broward County, FL. Project manager and field biologist who served as environmental consultant on this large-scale project. Development of this project necessitated impacts to 1,185 acres of melaleuca infested wetlands. Compensation for impacts to wetlands included creation of 252 acres of diverse freshwater wetlands and supporting uplands on site, and 9 acres of created mitigation off site. Services provided included protected species surveys, wetland permitting coordination with regulatory agencies, and mitigation design, implementation, and monitoring for the 252 acres for client, Engle Homes/Pembroke, Inc.

Port Everglades Inlet Management Plan, Broward County, FL. Conducted a biological assessment and impact analysis, including definition and mapping of submerged resources and wildlife in and near Port Everglades inlet, and prepared an assessment of impacts that would be associated with various inlet management alternatives.

Riverland DRI, Environmental Permit Applications, St. Lucie County, FL. Assisted Riverland-Kennedy LLP and GL Homes in obtaining environmental regulatory development approvals for the 3,845-acre Riverland-Kennedy Development of Regional Impact (DRI) project site in St. Lucie County, Florida. The project site is currently an active citrus grove and cattle pasture, with interspersed surface water areas. The proposed mixed-use development will include residential, commercial, educational, public safety, and recreational uses in a new master planned community. Provided services in support of the DRI Application for Development Approval and Environmental Resource Permitting processes. Coordinated with the South Florida Water Management District, U.S. Army Corps of Engineers, and U.S. Fish and Wildlife Service, and the project development team for regulatory approvals. Carried out field work and report preparation including: an environmental assessment, wetland delineation, wildlife surveys, vegetation and cover type mapping, habitat assessments and mitigation plans for state and federally listed protected species - wood stork, Audubon's crested caracara, and eastern indigo snake for client, GL Homes Land Development.

Environmental Impact Statement for Expansion of Marine Corps Base, Camp Lejeune, NC. Prepared a site evaluation and wetland jurisdictional determination, assured permit coordination, prepared the DEIS, conducted public workshops and meetings, and prepared response packages for the expansion of the Marine Corps Base for the Department of the Navy.

Coastal Natural Resource Assessments – Tom has conducted natural resource surveys, and prepared permitting feasibility assessments, alternatives analysis, permitting, manatee protection plans, mitigation plans and monitoring, for over 60 public and private marina, dock, port, and coastal management projects in South Florida.

moffatt & nichol

Julia G, Grissett, E.I.

Hydraulic Structures / Building Design / Repair & Rehabilitation / Bridge / Misc Structures | Stream Mitigation Site Plan | Environmental Engineering

EXPERIENCE

Julia Grissett is a Coastal Associate who has experience preparing coastal engineering analyses, developing coastal design criteria, preparing conceptual design plans, field data collection and post-processing, and data management and analytics with a variety of software. She also has experience in coastal resiliency planning and United States Army Corps of Engineers Coastal Storm Risk Management studies through her work with the Miami-Dade County Back Bay Coastal Storm Risk Management study. Additionally, Julia is a member of the Network for Engineering with Nature (N-EWN). Julia has an educational background in Environmental (BS) and Coastal (ME) Engineering. She gained experience through her traditional coursework in both fields while tailoring her studies to focus on numerical modeling, ecological engineering, nature-based solutions, and coastal management. Julia was also involved in coastal ecology research at the University of Florida where she primarily worked in southeastern US barrier island ecosystems such as saltmarshes and dunes. Through research experience she gained proficiency in coastal instrumentation and field data collection techniques, data post-processing strategies, and field study design which she has been able to utilize while at Moffatt & Nichol.

EDUCATION

ME, Coastal and Oceanographic Engineering, University of Florida, 2022

BS, Environmental Engineering, University of Florida, 2020

REGISTRATION

Engineering Intern: #1100025794, 2022

REPRESENTATIVE PROJECT EXPERIENCE

FDEP 100-Year Storm Impact and Wave Load Analysis, Surf Club at Ponte Vedra Inn & Club, Ponte Vedra, FL. Project engineer for conducting the FDEP-required 100-year Storm Impact and Wave Load Analysis utilizing methods established by the Florida Building Code 3109 and FDEP's report "One-Hundred-Year Storm Elevation Requirements for Habitable Structures Located Seaward of a Coastal Construction Line." Responsibilities included analyzing survey data, architectural drawings, and existing structure drawings to establish beach profile transects; identifying and compiling appropriate R-monument data for the site; utilizing the DEAN S numerical model to establish the post-storm eroded profile, extent of toe of erosion, and anticipated site specific wave crest elevation; and estimating resulting wave forces on vertical walls and columns. The project involves the demolition and rebuilding of waterfront hotel guest amenities and event spaces in Ponte Vedra, FL.

San Juan Cruise Terminal Development, San Juan, Puerto Rico. Project engineer for the development of wave loading conditions at piers undergoing repairs and reconstruction. The project involves the development and upgrading of various piers within the bay to improve their structural integrity and allow for service of larger vessels. Responsibilities included reviewing existing structure drawings to determine elevations of pier elements, reviewing existing survey data and dredge requirements to determine seafloor depth at the piers, developing wave loading estimates on both pile supported and caisson pier structures.

Hydraulic Flow Analysis, 5333 Collins Avenue, Miami Beach, FL. Project engineer for a hydraulic flow analysis to support FBC Section 3109.3.2.2 (Shear walls) building code compliance relative to shearwall percentage, evaluating the potential impact of flow increase on the subject parcel and adjacent properties, and demonstrating increased shear wall length will not result in substantial increase of flow velocities and drag forces on the structural components of the proposed structure and neighboring structure. The project includes the demolition of an existing building in Miami Beach and the reconstruction of a building on that lot. Analysis involved utilizing architectural drawings of proposed building, survey data and as-builts of building to be demolished, county parcel data, and aerial imagery of buildings footprints on adjacent lots to determine the impact flood waters associated with storm surge would have on adjacent lots before and after construction.

Loggerhead Dock Replacement at Dry Tortugas, National Park Service, Loggerhead Key, FL. Project engineer for the MetOcean and coastal design of a pier structure to allow NPS vessels to service Loggerhead Key located in the chain of islands comprising Dry Tortugas National Park. The project includes the replacement of an existing dock structure on the island with an updated pier structure that extends into deeper water to allow the NPS vessel to dock and service the island and lighthouse storage there. Processed and performed quality control of collected wave data and analyzed MetOcean conditions (waves, water levels, winds) impacting the proposed dock location as well as developing design conditions and estimating wave loads on pier structure.

Miami Beach Dune Management Plan, City of Miami Beach, FL. Project engineer for dune vegetation surveys in the City of Miami Beach, FL. The data from the dune vegetation surveys was utilized to prepare a Dune Management Plan for the City of Miami Beach. Dune vegetation was visually observed and characterized by species along the beach in each post-and-rope vegetation block. Responsibilities included site visits to survey the dune vegetation species, both native and nonnative, in the Miami Beach dune system, capturing photos of vegetation, and organization of vegetation information.

Village of Key Biscayne Seawall Ordinance Technical Report, Village of Key Biscayne, FL. Project engineer for the development of a technical report to support the seawall ordinance proposal developed by the Village of Key Biscayne. In the face of climate change impacts and to align with the Miami-Dade County seawall ordinance, the Village of Key Biscayne Office of Resiliency prepared an ordinance that requires the raising of seawalls within the Village to a minimum height. This ordinance was bolstered by a technical report supporting its findings with evidence of climate change impacts and provided adaptation alternatives. Responsibilities included analyzing sea level rise projections, previously permitted seawall construction projects, geotechnical reports, and seawall adaptation strategies.

City of Hollywood Marina Fuel Pier Concept Development, Hollywood, FL. Project engineer performing in-situ wave climate data collection and processing for the City of Hollywood Marina fuel pier. Data collection was performed utilizing pressure gauges. Prepared post-processed data summary and a memorandum of findings to support the City of Hollywood Marina fuel pier improvement concepts. This effort was in support of the City of Hollywood Marina Master Plan, previously prepared by Moffatt & Nichol, which identified improving the existing fuel pier at the marina as a vital first step in marina improvements. Assisted with the preparation of a memorandum that summarized a variety of fuel pier improvement strategies to allow the City of Hollywood to select their desired improvement pathway. This concept memorandum directly allowed the preparation of grant strategies and grant applications for the City's desired fuel pier improvement pathway.

City of Hollywood Marina Master Plan Grants Services, Hollywood, FL. Project engineer preparing list of applicable grants to the project and compiling information on their timeline, application materials, and funding limits. The project involves the development of the City of Hollywood Marina with added elements of serviceability, public-use infrastructure, amenities, green space, parking availability, and general resiliency. The master plan development process involved strong collaboration between engineers and community stakeholders to best understand the needs of the City and to provide a marina that the community would be most satisfied with. Assisted with the preparation of Florida Boating Improvement Program (FBIP) and Broward Boating Improvement Program (BBIP) applications during the 2023 application cycles and successfully secured funding through the BBIP program for the City's marina.

Miami-Dade County Back Bay Coastal Storm Risk Management Study, Miami-Dade County, FL. Project engineer for the Miami-Dade County Back Bay Coastal Storm Risk Management Study in which Moffatt & Nichol is a consultant to Miami-Dade County. Responsibilities include working with the County to further develop conceptual ideas generated in public charrettes, information synthesis across various projects to pursue integration, coastal data management, and assisting with report reviews.

Paulette Summers

Senior Community Outreach Specialist

Media Relations Group, LLC



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 Four contracts, including the Broward County and Palm Beach County Design and Construction Projects

26 years of extensive public relations and marketing experience, including media outreach throughout numerous Broward County municipalities

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

Ft. Lauderdale, Florida

Mrs. Summers has 26 years of experience specializing in public involvement, facilitation services, public relations, media relations, social media and marketing countless projects, overseeing public involvement plans and community awareness campaigns for numerous agencies throughout Florida. Over the past 14 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 throughout Broward and Palm Beach counties.

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 4 Office, and Broward County, while most recently working on the State Road (SR) 814/Atlantic Boulevard Intelligent Transportation Systems (ITS) along with multiple bridge rehabilitation projects in District Four. The experience garnered has enabled her to meet the needs of this contract. *Select Project Experience Includes:*

2025 - Broward MPO General Planning Consultant Services (GPC) - Fort Lauderdale Roadway-Railroad Underpass Feasibility Study, Fort Lauderdale, Florida - MRG is supporting Kimley-Horn as part of their General Planning Consultant contract on Broward MPO's Fort Lauderdale Roadway-Railroad Underpass Feasibility Study with all PI activities for this contract. Mrs. Summers led the effort and oversaw staff in preparation of the Public Participation Plan (PPP), attended multiple project meetings and performed QAQC on completed meeting materials for study's initial workshop. *Reference: Stewart Robertson, Kimley-Horn, 954.732.0882. Project Role: Sr. Community Outreach Specialist*

2025 - Broward MPO Atlantic Boulevard Corridor Study from west of Powerline Road to I-95, Fort Lauderdale, Florida – The Broward MPO is undertaking a study along Atlantic Boulevard, from west of Powerline Road to west of I-95, to assess current conditions and needs, and to identify the feasibility of improvement strategies that address safety, congestion management, operations, connectivity, infrastructure hardening, and support economic development. MRG was contracted to provide public and stakeholder involvement services, which includes the completion of a Public Participation Plan (PPP). Mrs. Summers assisted the lead Sr. Community Outreach Specialist with the revision of the PPP. *Reference: Stewart Robertson, Kimley-Horn, 954.732.0882. Project Role: Sr. Community Outreach Specialist*

2024 – FDOT District Four, SR 736/ Davie Boulevard Bridge (#860038) over the South Fork New River, Broward County, Florida – Mrs. Summers leads the public involvement efforts for this project which involves the repair and rehabilitation project of the SR 736/Davie Boulevard Bridge. She will be responsible for the planning and preparation of collaterals for a public meeting scheduled for April 2025. *Reference: Roger G. Khouri, P.E., WSP, USA, 305.514.3143. Project Role: Community Outreach Specialist*

Media Relations Group, LLC

2024 – FDOT District Four, SR A1A/Ocean Boulevard Bridge (#930060) over Boca Inlet, Broward County, Florida – MRG provides all the public involvement efforts required on this bridge rehabilitation design project. Mrs. Summers recently completed a Community Outreach Plan (CAP) and will be responsible for completing meeting collaterals in preparation for a public meeting. *Reference: Sybille Bayard, P.E., Modjeski and Masters, Inc., 305.345.7386. Project Role: Community Outreach Specialist*

2023 – City of Fort Lauderdale, Melrose Manors and Riverland Neighborhood Stormwater Improvements Design Project, 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*

2022 – Present – FDOT District Four Continuing Services Contract (CSC), Broward and Palm Beach Counties, Florida – Mrs. Summers leads all of the public involvement efforts related to this contract which includes several ongoing and upcoming design projects listed below:

- Transit Corridor Improvements on Orange Drive from Florida's Turnpike to SR 7/US 441 and Taft Street from SR 7/US 441 to 40 Avenue
- SR 804/Ocean Drive from US 1 to A1A
- SR 7/US 441 from Glades Road to Bridgebrook Drive
- SR 814/Atlantic Boulevard from NW 27 Avenue to W of N Andrews Avenue
- SR 814/Atlantic Blvd from SR 7/US 441 to I 95
- SR A1A from Flamingo Avenue to South of Pine Avenue
- SR 823/Flamingo Road from Pembroke Road to South of Pines Boulevard

Reference: Carlos Alcantara, P.E., BCC Engineering, 954.298.2246. Project Role: Sr. Community Outreach Specialist

- SR 794/Yamato Road from I-95 to US 1/Federal Highway
- SR 804/Boynton Beach Boulevard from US 441 to Lyons Road
- SR 5/US 1/Federal Highway from 6th Avenue North to Arlington Road
- SR 5/US 1/Bailey Street to south of Eve Street
- SR 804/Boynton Beach Boulevard from N Congress Avenue to NW 8th Street
- SR 5/US 441 at Royal Palm Blvd and Copans Road Intersection

Reference: Eithel Sierra, P.E., CHA Consulting, Inc., 786.257.3118, Project Role: Sr. Community Outreach Specialist



OFFICE LOCATIONS

OFFICE LOCATIONS

OFFICE LOCATION AND STAFFING CAPACITY

Professional services under this continuing contract will be provided from **HBC's Fort Lauderdale office,** located within Broward County, providing close geographic proximity and responsive support to the City of Pompano Beach. This office serves as a primary hub for structural engineering and multidisciplinary support services for municipal clients throughout the region.

The Fort Lauderdale office is staffed with five licensed Professional Engineers, including structural and civil engineers and technical specialists, supported by one administrative and project support staff member responsible for project coordination, document control, and quality management. One of the licensed engineers resides in the City of Pompano Beach, further strengthening local availability and responsiveness. This local staffing capacity, supplemented by HBC's corporate office of more than eighty professionals, including over thirty licensed Professional Engineers, provides the depth, availability, and technical support necessary to manage multiple concurrent CCNA task orders while maintaining quality, schedule adherence, and regulatory compliance.



Company Office Locations

HBC Engineering Company
5200 NW 33rd Ave, Suite 211
Fort Lauderdale, FL 33309
(305) 232-7932

Moffatt & Nichol, Inc.
100 W Cypress Creek Rd, Suite 1047,
Fort Lauderdale, FL 33309
(954) 622-8100

KEITH & Associates, Inc.
301 E Atlantic Boulevard
Pompano Beach, FL 33060
(954) 788-3400

Florida Engineering & Testing, Inc.
250 SW 13th Avenue
Pompano Beach, Florida 33069
(561) 998-7002

Media Relations Group, LLC
110 E Broward Blvd #1700
Fort Lauderdale, FL 33301
(305) 254-8598

★ **Pompano Beach**
● **Office Locations**



CITY FORMS

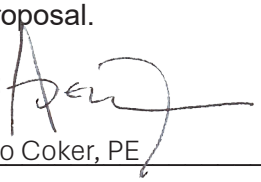
COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFP IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

RFP RLI , 26-006 Continuing Contract for Professional Structural Engineering Services
(number) (RFP name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFP. I have read the RFP and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by: 

Name (printed) Adebayo Coker, PE Title President / CEO

Company (Legal Registered) HBC Engineering Company

Federal Tax Identification Number 22-3936061

Address 5200 NW 33rd Avenue, Suite 211

City/State/Zip Fort Lauderdale, FL 33309

Telephone No. (305) 232-7932 Fax No. (305) 232-7933

Email Address proposals@hbcengineeringco.com

Bidder Company Name HBC Engineering Company

Qualifications Of Bidders

To demonstrate qualifications to perform the work, and to be considered for award, each bidder shall submit at least three (3) business customer references. Provide information for business customers for whom you have performed work of this nature which you list as references, excluding the City of Pompano Beach. (Use an attachment if necessary.)

1. Name and address of customer:
   Kimley-Horn and Associates, Inc. ,1920 Wekiva Way, Suite 200 West Palm Beach, FL 33411

   Contact person name, telephone number and email address:
   Mr. Lance Littrell P.E, lance.littrell@kimley-horn.com, 407-412-7544

   Description of services provided and date(s) of service: HBC supported the Palm Beach County Water Utilities Department on the expansion of Water Treatment Plant No. 2 provided hydraulic modeling, electrical engineering, permitting support, and site specific field investigations, working closely with the prime consultant and County stakeholders to deliver resilient, high quality solutions. (1/2024-Ongoing)
2. Name and address of customer:
   Miami Dade County Dept of Solid Waste Management , 2525 NW 62st , Miami FL 33147

   Contact person name, telephone number and email address:
   Marcella Villegas, 786- 747 1692 , Marcela.Villegas@miamidade.gov

   Description of services provided and date(s) of service: 60 year recertification of Building No. 4 include comprehensive structural and electrical inspections, preparation of signed and sealed reports, and required certifications in compliance with Miami-Dade County RER requirements, with oversight from initial assessment through final approval to ensure public safety, regulatory compliance, and extended facility service life. (Ongoing)
3. Name and address of customer:
   Seminole Tribe of Florida, 5700 Griffin Road Davie, FL 33314

   Contact person name, telephone number and email address:
   Jose Omar Nunez .P.E, 9548941060, josenunez@semtribe.com

   Description of services provided and date(s) of service: providing structural and civil engineering for a new pedestrian bridge across SR 7 within the Hollywood Seminole Indian Reservation. The work includes bridge concept development, field investigations, preparation of construction documents, roadway and stormwater design, permitting, and coordination with STOF, FDOT, and FHWA, with optional visualization and bid phase support. (Ongoing)

Bidder Company Name HBC Engineering Company

Qualifications Of Bidders

To demonstrate qualifications to perform the work, and to be considered for award, each bidder shall submit at least three (3) business customer references. Provide information for business customers for whom you have performed work of this nature which you list as references, excluding the City of Pompano Beach. (Use an attachment if necessary.)

1. Name and address of customer: Florida Department of Transportation District 4; 3400 W Commercial Blvd, Fort Lauderdale, FL

   Contact person name, telephone number and email address: Lance Jones, PE, 954-777-4680, lance.jones1@dot.state.fl.us

   Description of services provided and date(s) of service: providing professional engineering services for the redesign of the bus stop bay at the northeast corner of Nova Drive and SR 817 University Drive. he project focuses on improving passenger access, safety, and operational efficiency while maintaining traffic flow. (02/2022-Ongoing)

2. Name and address of customer: City of Fort Lauderdale; 100 N Andrews Ave, Fort Lauderdale, FL 33301

   Contact person name, telephone number and email address: Ana Ziegler, EE/PM II; 954-828-5817, aziegler@fortlauderdale.gov

   Description of services provided and date(s) of service: providing design services for replacement of the Riverwalk North seawall from the Andrews Avenue Bridge approximately five hundred feet west toward the FXE rail corridor. Services include design of a new sheet pile seawall, demolition of the existing catwalk, installation of fixed and floating docks, utility and electrical relocations, structural inspections and repairs (Ongoing)

3. Name and address of customer: Florida Turnpike Enterprise (FTE); Milepost 263, Bldg. 5315 Ocoee, FL. 34761

   Contact person name, telephone number and email address: Bing Wang, PE; 954- 777-4419

   Description of services provided and date(s) of service: supporting Florida's Turnpike Enterprise with design and contract document preparation for the Southern Turnpike CCTV Upgrades project, including ITS design and supporting engineering services for installation of 31 new CCTV cameras along SR 91 and SR 821 integrated with FDOT's SunGuide system. (Ongoing)

TIER 1/TIER 2 COMPLIANCE FORM

IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

TIER 1 LOCAL VENDOR

_____ My firm has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least 10 % who are residents of the City of Pompano Beach.

And/Or

_____ My firm has maintained a permanent place of business within the city limits and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 10 % of the contract value.

Or

✓ My firm does not qualify as a Tier 1 Vendor.

TIER 2 LOCAL VENDOR

✓ My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

And/Or

✓ My firm has maintained a permanent place of business within Broward County and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value.

Or

_____ My firm does not qualify as a Tier 2 Vendor.

I certify that the above information is true to the best of my knowledge.

12/29/25
(Date)

HBC Engineering Company
(Name of Firm)

BY: Adebayo Coker, PE
(Name)

LOCAL BUSINESS EXHIBIT "A"
CITY OF POMPANO BEACH, FLORIDA
LOCAL BUSINESS PARTICIPATION FORM

Solicitation Number & Title: RLI 26-006 Continuing Contract for Professional Structural Engineering Services

Prime Contractor's Name: HBC Engineering Company

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
Keith and Associates, Inc.	Yazmin Bryant (954) 788-3400	Surveying, SUE, Landscape Architecture	10%
Florida Engineering & Testing, Inc.	Christine Change (954) 781-6889	Geotechnical Engineering	10%

LOCAL BUSINESS EXHIBIT "A"

LOCAL BUSINESS EXHIBIT "B"
LOCAL BUSINESS
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number RLI 26-002

TO: HBC Engineering Company
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

_____ an individual
X _____ a corporation
_____ a partnership
_____ a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Survey, SUE, Landscape Architecture

at the following price: TBD

12/11/2025
(Date)

Keith and Associates, Inc., dba KEITH
(Print Name of Local Business Contractor)

301 East Atlantic Boulevard
(Street Address)

Pompano Beach, FL 33060
(City, State Zip Code)

BY: _____
(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

LOCAL BUSINESS EXHIBIT "B"
LOCAL BUSINESS
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number RLI26-006

TO: HBC Engineering Company
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

_____ an individual

✓ a corporation

_____ a partnership

_____ a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Geotechnical Investigation

at the following price: _____

12/11/25
(Date)

Florida Engineering & Testing, Inc.
(Print Name of Local Business Contractor)

250 S.W. 13th Avenue
(Street Address)

Pompano Beach, Florida 33069
(City, State Zip Code)

BY: _____
(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

N/A

LOCAL BUSINESS EXHIBIT "C

LOCAL BUSINESS
UNAVAILABILITY FORM

BID #_____

I,_____
(Name and Title)

of_____, certify that on the _____day of

_____, _____, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)

Said Local Businesses:

___ Did not bid in response to the invitation

___ Submitted a bid which was not the low responsible bid

___ Other:_____

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

N/A

LOCAL BUSINESS EXHIBIT "D"
GOOD FAITH EFFORT REPORT
LOCAL BUSINESS PARTICIPATION

BID #_____

1. What portions of the contract have you identified as Local Business opportunities?

_____

_____

_____

_____

2. Did you provide adequate information to identified Local Businesses? Please comment on how you provided this information.

_____

_____

_____

3. Did you send written notices to Local Businesses?

____ Yes ____ No

If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?

____ Yes ____ No

If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?

_____

_____

7. List the Local Businesses you will utilize and subcontract amount.

_____ $_____

_____ $_____

_____ $_____

8. Other comments: _____

_____

N/A

LOCAL BUSINESS EXHIBIT “D” – Page 2

_____

_____

_____

HBCENGI-01 CGIBBONI

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 2/13/2025

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	CONTACT NAME:	
Ames & Gough 8300 Greensboro Drive Suite 980 McLean, VA 22102	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 :	
INSURER E :	
INSURER F :	

INSURED
HBC Engineering Company
8935 NW 35th Lane
Suite 201
Doral, FL 33172

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			42 SBU AR9BKL	2/21/2025	2/21/2026	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						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			42 UEG AF0811	2/21/2025	2/21/2026	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						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			42 SBU AR9BKL	2/21/2025	2/21/2026	EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED X RETENTION $ 10,000							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	N / A		42 WEG AR9BJP	2/21/2025	2/21/2026	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N (Mandatory in NH)						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

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Hired Physical Damage Limit - $100,000
Collision Ded. - $1,000
Comp Ded. - $1,000

CERTIFICATE HOLDER

EVIDENCE OF COVERAGE

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



© 1988-2015 ACORD CORPORATION. All rights reserved.
The ACORD name and logo are registered marks of ACORD

HBCENGI-01 CGIBBONI

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 2/13/2025

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	CONTACT NAME:	
Ames & Gough 8300 Greensboro Drive Suite 980 McLean, VA 22102	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 : Westfield Specialty Insurance Company A, XV	16992
INSURER E :	
INSURER F :	

INSURED
HBC Engineering Company
8935 NW 35th Ln
Suite 201
Doral, FL 33172

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			42 SBU AR9BKL	2/21/2025	2/21/2026	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						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			42 UEG AF0811	2/21/2025	2/21/2026	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						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			42 SBU AR9BKL	2/21/2025	2/21/2026	EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED X RETENTION $ 10,000							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	N / A		42 WEG AR9BJP	2/21/2025	2/21/2026	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: N						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	Excess Prof. Liab.			EDP-0000105	2/21/2025	2/21/2026	Aggregate	4,000,000

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

CERTIFICATE HOLDER

EVIDENCE OF COVERAGE

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



© 1988-2015 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

EXHIBIT B - Insurance Requirements

CONTRACTOR shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the CITY's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to CITY staff responsible for oversight of the subject project/contract.

CONTRACTOR is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONTRACTOR, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONTRACTOR under this Agreement.

Throughout the term of this Agreement, CONTRACTOR and all subcontractors or other agents hereunder shall, at their sole expense, maintain in full force and effect the following insurance coverages and limits described herein, including endorsements.

1. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONTRACTOR further agrees to be responsible for the employment, control, and conduct of its employees and for any injury sustained by such employees in the course of their employment. If the firm has no employees or (only principals/owners), they may file a statutory exemption or sign the City's Workers' Compensation (WC) waiver if the firm has fewer than four employees.

2. Liability Insurance.

(a) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONTRACTOR's negligent acts or omissions in connection with Contractor's performance under this Agreement.

(b) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance Limits of Liability

GENERAL LIABILITY: Minimum $1,000,000 Per Occurrence and $2,000,000 Per Aggregate
* Policy to be written on a claims incurred basis

XX	comprehensive form	bodily injury and property damage
XX	**premises - operations**	**bodily injury and property damage**
	explosion & collapse hazard	
	underground hazard	
XX	products/completed operations hazard	bodily injury and property damage combined
XX	contractual insurance	bodily injury and property damage combined

XX	broad form property damage	bodily injury and property damage combined
XX	independent contractors	personal injury
XX	personal injury	
		Minimum $1,000,000 Per Occurrence and Aggregate
	sexual abuse/molestation	
	liquor legal liability	Minimum $1,000,000 Per Occurrence and Aggregate

***The city must be listed as Additional Insured and coverage must be Primary & Non-Contributory.**

Coverages must include premises/operations, independent contractors, contractual liability, products/completed operations, and broad form property damage.

AUTOMOBILE LIABILITY: Minimum $1,000,000 Per Occurrence and Aggregate.
Bodily injury (each person) bodily injury (each accident), Property damage, bodily injury and property damage combined.

XX comprehensive form
XX owned
XX hired
XX non-owned

REAL & PERSONAL PROPERTY

___ comprehensive form Agent must show proof they have this coverage.

EXCESS LIABILITY Per Occurrence Aggregate

___ other than umbrella bodily injury and $1,000,000 $1,000,000 property damage combined

---

PROFESSIONAL LIABILITY	Per Occurrence	Aggregate
XX * Policy to be written on a claims made basis	$1,000,000	$2,000,000

***The vendor must maintain coverage with a minimum of $1,000,000 per claim and $2,000,000 aggregate for contracts under $7.5M in construction value. The policy must cover negligent acts, errors, or omissions arising from professional services and the vendor must maintained coverage for the duration of the contract and at least 4 years after project completion.**

(c) If Professional Liability insurance is required, Contractor agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the termination or expiration of the Agreement for a period of four (4) years unless terminated sooner by the applicable statute of limitations.

CYBER LIABILITY	Per Occurrence	Aggregate
___ * Policy to be written on a claims-made basis $	1,000,000	$1,000,000

___ Network Security / Privacy Liability
___ Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)
___ Technology Products E&O - $1,000,000 (only applicable for vendors supplying technology related services and or products)
___ Coverage shall be maintained in effect during the period of the Agreement and for not less than four (4) years after termination/ completion of the Agreement.

3. Employer's Liability. If required by law, CONTRACTOR and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars ($100,000.00) per employee, Five Hundred Thousand Dollars ($500,000) per aggregate.

4. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONTRACTOR, the CONTRACTOR shall promptly provide the following:

(a) Certificates of Insurance evidencing the required coverage;

(b) Names and addresses of companies providing coverage;

(c) Effective and expiration dates of policies; and

(d) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

5. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

6. Waiver of Subrogation. CONTRACTOR hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONTRACTOR shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONTRACTOR enter into such an agreement on a pre-loss basis.

Form **W-9**
(Rev. March 2024)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

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

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

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See ***Specific Instructions*** on page 3.

1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)

HBC ENGINEERING COMPANY

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

9675 NW 117th AVE, SUITE 305, MIAMI, FL 33178

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

☐ Individual/sole proprietor ☐ C corporation ☑ S corporation ☐ Partnership ☐ Trust/estate

☐ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) . . . . .

Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.

☐ Other (see instructions)

3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions . . . . . ☐

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

Exempt payee code (if any)

Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any)

(Applies to accounts maintained outside the United States.)

5 Address (number, street, and apt. or suite no.). See instructions.

9675 NW 117th AVE, SUITE 305

6 City, state, and ZIP code

MIAMI, FL 33178

Requester's name and address (optional)

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

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

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

Social security number

			–		–				

or

Employer identification number

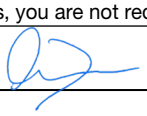
2	2	–	3	9	3	6	0	6	1

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here **Signature of U.S. person**  **Date** 9/29/2025

General Instructions

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

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

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

GENERAL CONDITIONS

HBC acknowledges receipt of the City's General Conditions and affirms its ability to comply with these requirements upon contract award.

SERVICE CONTRACT DRAFT

HBC has reviewed the City's draft Service Contract and affirms its ability to comply with the terms and conditions upon contract award.

CONFLICT OF INTEREST

HBC Engineering Company affirms that it has reviewed the Standard Provisions, including Section Y, relating to conflicts of interest, and hereby certifies the following:

HBC Engineering Company, its principals, officers, employees, agents, and proposed subconsultants have no current or anticipated conflicts of interest that would impair their ability to provide services to the **City of Pompano Beach** under this solicitation. HBC further certifies that it has no financial, personal, or organizational interests that would improperly influence its professional judgment, objectivity, or performance of duties for the City.

HBC confirms that it has not offered, provided, or promised any form of gratuity, compensation, or consideration to any City official, employee, or evaluation committee member in connection with this procurement. Additionally, no City officer or employee has any interest, direct or indirect, in the firm or its proposed subcontractors that would violate Florida Statutes or City procurement requirements.

Should any potential conflict arise during the course of the contract, HBC will immediately disclose such information to the City in writing and take all necessary steps, as directed by the City, to eliminate or mitigate the conflict.

HBC submits this statement in good faith and in full compliance with the City's procurement requirements.

ADDENDA ACKNOWLEDGMENT

HBC acknowledges receipt of the following addenda issued by the **City of Pompano Beach** for RLI 26-006: Addendum No. 1, Addendum No. 2, Addendum No. 3



APPENDIX A

COMPANY/SUBCONSULTANT LICENSURE

LICENSURE

HBC Engineering 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

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

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 *10:43:23 AM 8/4/2025*

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:	

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

SUPPLIER DIVERSITY

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

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026

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-24-00290294
Paid 08/12/2025 30.00

FDOT

Florida Department of Transportation
Consultant Information

Report Information as of 12/28/2025 3:00 AM

The information contained herein is not the Department's official record.

Consultant	Mailing Address	Contact Person	Telephone Number	Florida: Unlimited/ Technical	Florida: Small Bus.	Florida: Prof	Florida: Tech	Other: Prof	Other: Tech	Work Types
HBC ENGINEERING COMPANY	9675 NW 117th Avenue Suite 305 Miami, Florida 33178	Adebayo Coker	(305)232-7932	Unlimited	Y	29	73	0	0	2.0, 3.1, 3.2, 3.3, 4.1.1, 4.1.2, 5.1, 5.3, 5.4, 6.1, 6.2, 6.3.1, 6.3.2, 6.3.3, 6.3.4, 7.1, 7.2, 7.3, 10.1, 10.3, 10.4, 13.3, 13.4, 13.5, 13.6, 13.7

HBC Engineering Company Personal Licensure, *Continued...*

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

The DBE has been provided in case of a tiebreaker.

Also in case of a tiebreaker, please see HBC's drug policy in Appendix C.

Run on : 09/27/2024
Page: 1

CITY OF FORT LAUDERDALE
BUSINESS TAX YEAR 2025-26

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.

FDOT
Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

JARED W. PERDUE, P.E.
SECRETARY

December 04, 2025

Adebayo Coker, President
HBC ENGINEERING COMPANY
9675 NW 117th Avenue
Suite 305
Miami, FL 33178
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

4.1.1 - Miscellaneous Structures
4.1.2 - Minor Bridge Design

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

10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection

1

10.4 - Minor Bridge & Miscellaneous Structures CEI

13.3 - Policy Planning
13.4 - Systems Planning
13.5 - Subarea/Corridor Planning
13.6 - Land Planning/Engineering
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/NE

2

Moffatt & Nichol, Inc.'s Company Licensure

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026

Business Name: ERIC NICHOL
Receipt #: 315-296591
Business Type: ENGINEER (ENGINEER)

Owner Name: MOFFATT & NICHOL
Business Location: 100 W CYPRESS CREEK RD STE 96
FT LAUDERDALE
Business Opened: 10/01/2018
State/County/Cert/Reg:
Exemption Code:
Business Phone: 954-622-8100

Rooms	Seats	Employees	Machines	Professionals
		8		

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
37.50	0.00	0.00	0.00	0.00	0.00	37.50

Receipt Fee 37.50
Packing/Processing/Canning Employees 0.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

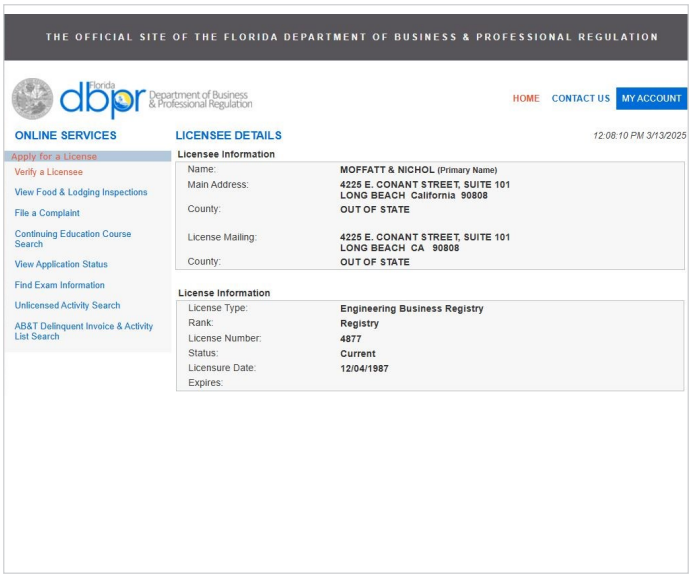
This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved 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:

MOFFATT & NICHOL
4225 E CONANT STREET STE 101
LONG BEACH, CA 90808

Receipt #WWW-24-00289641
Paid 08/07/2025 37.50

2025 - 2026



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

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

12:08:10 PM 3/13/2025

Licensee Information

Name:	MOFFATT & NICHOL (Primary Name)
Main Address:	4225 E. CONANT STREET, SUITE 101 LONG BEACH California 90808
County:	OUT OF STATE
License Mailing:	4225 E. CONANT STREET, SUITE 101 LONG BEACH CA 90808
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	4877
Status:	Current
Licensure Date:	12/04/1987
Expires:	

State of Florida
Department of State

I certify from the records of this office that MOFFATT & NICHOL, INC. is a California corporation authorized to transact business in the State of Florida, qualified on June 10, 1985.

The document number of this corporation is P06383.

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 3, 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 Third day of January, 2025

Secretary of State

Tracking Number: 7288079198CC

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

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

Moffatt & Nichol, Inc.'s Company Licensure, *Continued...*

FDOT

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

November 19, 2025

Jeff Helms, Vice President
MOFFATT & NICHOL, INC.
226 South Palafox Place
Floor 6
Seville Tower
Pensacola, FL 32502
jhelms@moffattnichol.com

Dear Mr. Helms:

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

5.1 - Conventional Bridge Inspection
5.2 - Movable 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
6.3.3 - 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

1

10.1 - Roadway Construction Engineering Inspection

11.0 - Engineering Contract Administration and Management

13.3 - Policy 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
178.74%	125.34%	1.048%	Reimbursed	7.21%	6.80%	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/NE

2

Keith and Associates, Inc.'s Company Licensure

pompano beach
Florida's Warmest Welcome

CITY OF POMPANO BEACH
BUSINESS TAX RECEIPT
FISCAL YEAR: 2025 - 2026

Business Tax Receipt Valid from: October 1, 2025 through September 30, 2026

4441589 9/11/2025
KEITH AND ASSOCIATES INC
301 E ATLANTIC BL

POMPANO BEACH FL 33060

THIS IS NOT A BILL

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

BUSINESS OWNER: KEITH AND ASSOCIATES INC
BUSINESS LOCATION: 301 E ATLANTIC BL POMPANO BEACH FL

RECEIPT NO: **CLASSIFICATION**

26-00065569 **PROFESSIONAL OFFICE (SEE REQUIREMENTS)**

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 3:28:44 PM 7/10/2025

Licensee Information

Name:	KEITH AND ASSOCIATES, INC. (Primary Name)
Main Address:	301 EAST ATLANTIC BOULEVARD POMPANO BEACH Florida 33060
County:	BROWARD

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	7928
Status:	Current
Licensure Date:	04/03/1998
Expires:	

Keith and Associates, Inc.'s Company Licensure, *Continued...*

State of Florida
Department of State

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

The document number of this corporation is P98000006011.

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

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

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

Secretary of State

Tracking Number: 8022148786CC

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

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

FDOT

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

September 11, 2025

Alexander Lazowick, President
KEITH AND ASSOCIATES, INC.
301 E Atlantic Boulevard
Pompano Beach, FL 33060
alazowick@keithteam.com

Dear Mr. Lazowick:

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.:

3.1 - Minor Highway Design

3.2 - Major Highway Design
3.3 - Controlled Access Highway Design

6.1 - Traffic Engineering Studies

6.2 - Traffic Signal Timing

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
8.3 - Photogrammetric Mapping
8.4 - Right of Way Mapping

10.1 - Roadway Construction Engineering Inspection

13.6 - Land Planning/Engineering

1

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
180.17%	147.53%	2.346%	Reimbursed	1.24%	0.00%	Yes

SUE Rates = $97/ Hour

*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/NE

Florida Engineering & Testing Inc.'s Company Licensure

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026

Receipt #: 315-622
Business Name: FLORIDA ENGINEERING & TESTING INC **Business Type:** ENGINEER (ENGINEER)

Owner Name: YU CHIH CHANG
Business Location: 250 SW 13 AVE POMPANO BEACH
Business Phone: 954-781-6889
Business Opened: 07/01/2002
State/County/Cert/Reg:
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		1		

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:
YU CHIH CHANG
250 SW 13 AVE
POMPANO BEACH, FL 33069

Receipt #WWW-24-00276556
Paid 07/03/2025 30.00

pompano beach
Florida's Warmest Welcome

CITY OF POMPANO BEACH
BUSINESS TAX RECEIPT
FISCAL YEAR: 2025 - 2026

Business Tax Receipt Valid from: October 1, 2025 through September 30, 2026

4441982 9/11/2025
FLORIDA ENGINEERING & TESTING INC
250 SW 13 AV

POMPANO BEACH FL 33069

THIS IS NOT A BILL

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

BUSINESS OWNER: FLORIDA ENGINEERING & TESTING
BUSINESS LOCATION: 250 SW 13 AV POMPANO BEACH FL

RECEIPT NO: 26-00066075
CLASSIFICATION: PROFESSIONAL OFFICE (SEE REQUIREMENTS)

FDOT
Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

May 02, 2025

Reza Javidan, Qualifying Engineer
FLORIDA ENGINEERING & TESTING, INC.
250 SW 13th Avenue
Pompano Beach, FL 33069

Dear Mr. Javidan:

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
9.4.1 - Standard Foundation Studies

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. Your firm may pursue projects in the referenced work types with fees estimated at less than $500,000.00.* This status shall be valid until May 02, 2026, for contracting purposes.
*Limit for FDOT projects only

Should you have any questions, please feel free to contact me by email at marie.castaneda@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,
Marie Castaneda

Marie Castaneda
Professional Services Qualification Administrator

MC/cbhk

1

Florida dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACC

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 12:36:03 PM 7/

Licensee Information

Name:	FLORIDA ENGINEERING & TESTING, INC. (Primary Name)
Main Address:	250 SW 13TH AVENUE POMPANO BEACH Florida 33069
County:	BROWARD

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	6923
Status:	Current
Licensure Date:	07/22/1994
Expires:	

Special Qualifications — **Qualification Effective**

Alternate Names

Sunbiz.org DIVISION of CORPORATIONS
an official State of Florida website

Department of State / Division of Corporations / Search Records / Search by Entity Name /

Previous On List Next On List Return to List Florida Engineering & Testir Search
Events No Name History

Detail by Entity Name
Florida Profit Corporation
FLORIDA ENGINEERING & TESTING INC.

Filing Information

Document Number	P94000034544
FEI/EIN Number	65-0488860
Date Filed	05/04/1994
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	04/25/2007
Event Effective Date	NONE

Principal Address
250 SW 13TH AVENUE
POMPANO BCH, FL 33069

Changed: 08/14/2003

Mailing Address
250 SW 13TH AVENUE
POMPANO BCH, FL 33069

Changed: 08/14/2003

Registered Agent Name & Address
CHANG, CHRISTINE
250 S.W. 13TH AVENUE
POMPANO BEACH, FL 33069

Florida Engineering & Testing Inc.'s Company Licensure, *Continued...*

Welcome to Broward County's Small Business Certified Firms Directory. To search firms actively certified in the County Business Enterprise (CBE) and/or Small Business Enterprise (SBE) programs, please select a method to search by below:

- Business Name
- Business Type
- NAICS Codes
- Major Products or Services

To begin a search, place your cursor in the field(s) you want to search, type/select the appropriate word/code and click the submit button.

Note: Make sure all other unselected fields, except your search criteria, are blank.

Legal Name of Business: Florida Engineering & Testing
(Partial name can be entered)

Type of Business Activity: --SELECT--

Certification: --SELECT--

NAICS Code:

Major Product or Service:

Search | Download

Search result count: 1

Business: Florida Engineering & Testing, Inc.
Address: 250 S.W. 13th Avenue , Pompano Beach, FL, 33069 **Website:** www.floridaengineeringandtesting.com
Contact: Christine Chang **Phone:** (954) 781-6889 **Fax:** (954) 784-8550 **Email:** floridaengineering@gmail.com
NAICS Code: 541330, 541380 **Business Activity:** Architecture & Engineering
Products/Services: Geotechnical Engineering & Construction Material Testing

Certification

CBE

My Florida MarketPlace

View Vendor Detail

General Vendor Information

Vendor Status:	**Active /**	Vendor 1099 Name:	**Florida Engineering & Testing, Inc. (NOT CONTESTED)**
Vendor Name:	**Florida Engineering & Testing, Inc.**		
Short Name (Doing business as):			
Dun and Bradstreet Number (DUNS):			
Website:	**http://www.floridaengineeringandtesting.com**		
W9 Status:	**Valid W-9 on file**		
DFS W9 Last Update Date:	**May 18, 2012**		
Business Designation	**US Corporation**		
Primary Place of Business	**FL**		

Certified Business Enterprise (CBE)

Minority-Owned Business Designation: **Asian American Owned**
Woman-Owned Designation: **Woman-Owned**
Veteran-Owned Designation: **Non-Veteran Owned**
Certification Date: **09/22/2025**
Expiration Date: **09/22/2027**

Solicitation Selection

Registered to receive electronic solicitations: **Yes**

Florida Terms of Use

Accepted: 05/20/2008 by **Chantal Forster**

Media Relations Group's Company Licensure

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026

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

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

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	0.00	0.00	0.00	0.00	0.00	33.00

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
FORT LAUDERDALE, FL
33301-3503

Receipt #WWW-24-00285698
Paid 07/25/2025 33.00

2025 - 2026

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

Media Relations Group's Company Licensure, *Continued...*

State of Florida
Department of State

I certify from the records of this office that MEDIA RELATIONS GROUP, LLC is a limited liability company organized under the laws of the State of Florida, filed on July 25, 2003.

The document number of this limited liability company is L03000027416.

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 17, 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 Seventeenth day of January, 2025

Secretary of State

Tracking Number: 9947314742CC

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

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

Florida UCP DBE Directory

Number of Vendors Returned: 1
Selection Criteria:
Vendor : MEDIA RELATIONS GROUP LLC

Vendor Name: MEDIA RELATIONS GROUP LLC
DBE: CERTIFIED **MBE:** CERTIFIED **ACDBE Status:** N **SBE:** N **Avail Statewide:** Y

Anniversary Date: 06/05/2025 **First Certification Date:** 07/23/2004

Business Description: PUBLIC RELATIONS AGENCIES

Mailing Address: 14707 SOUTH DIXIE HIGHWAY
STE 404
MIAMI FL 33176

Contact Name: ALICIA GONZALEZ **Phone:** (305)254-8598 **Fax:** (305)256-1613
Email: AGONZALEZ@MRGMIAMI.COM **Web Site:**

Certified NAICS

541613	Marketing Consulting Services
541810	Advertising Agencies
541820	Public Relations Agencies
541830	Media Buying Agencies
541910	Marketing Research and Public Opinion Polling

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

Media Relations Group's Company Licensure, *Continued...*

OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400

July 16, 2024

ANNIVERSARY DATE: July 16th

Ms. Alicia Gonzalez
MEDIA RELATIONS GROUP, LLC
110 E. Broward Blvd., Suite 1758
Fort Lauderdale, Florida 33301

Dear Ms. Gonzalez:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to award your company certification as a **County Business Enterprise (CBE) and Small Business Enterprise (SBE).** Your firm is now eligible to participate in the Office of Economic and Small Business Development programs.

Please note: your certifications are continuous but are contingent upon your firm verifying annually its eligibility in each of the two programs. Each year, on the anniversary of the date you were awarded certification, you **must submit to OESBD** a Personal Net Worth Worksheet, a copy of the previous year's Business Tax Return, copies of the current professional licenses, and County and local business tax receipts. As a courtesy, OESBD will notify you in advance of your obligation to provide the continuing eligibility documents. **However, the responsibility to ensure continued certification is yours.**

To access and respond to Broward County's solicitations, you will need to be a registered vendor with Broward County. The current web-based procurement platform is **Periscope S2G** (f/k/a Bidsync). However, the County is in the process of switching to a new procurement system called **BPRO, powered by Bonfire**. All vendors must complete the vendor registration process in the new **BPRO** system. It is free to do so. Until the switch to **BPRO** is complete, it is advisable to register your company to do business with Broward County under both Periscope S2G and BPRO. Information on how to register your company can be found on the Purchasing Division's webpage: www.broward.org/Purchasing or use your camera to scan the QR code.

To review current Broward County Government bid opportunities visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in Periscope S2G or BPRO to ensure you have added all appropriate classification codes. Bid opportunities over $3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Contract Services.** This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: www.broward.org/EconDev and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

Broward County Board of County Commissioners
Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Robert McKinzie • Nan H. Rich • Hazelle P. Rogers • Tim Ryan • Michael Udine
Broward.org

NAICS CODE: 541820, 541613, 541430

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

SANDY-MICHAEL MCDONALD
Digitally signed by SANDY-MICHAEL MCDONALD
Date: 2024.07.24 13:42:10 -04'00'

Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Cert Agency: BC-CBE-SBE

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

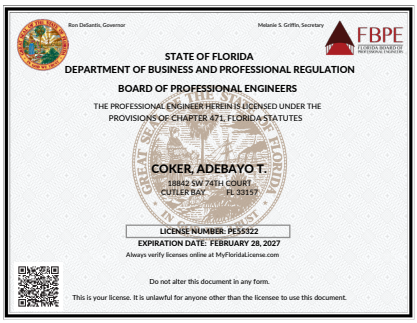
Name Changed: 02/16/2011

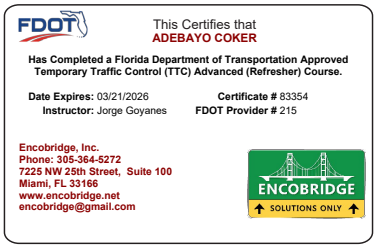


APPENDIX B

PERSONNEL LICENSURE

HBC Engineering Company's Personnel Licensure


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
COKER, ADEBAYO T.
18842 SW 74TH COURT
CUTLER BAY FL 33157
LICENSE NUMBER: PE55322
EXPIRATION DATE: FEBRUARY 28, 2027
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
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
Encobridge, Inc.
Phone: 305-364-5272
7225 NW 25th Street, Suite 100
Miami, FL 33166
www.encobridge.net
encobridge@gmail.com
ENCOBRIDGE
SOLUTIONS ONLY


Achievement Certificate
This Acknowledges That
Adebayo Coker , PE 55322
is recognized for
ORD 3D Modeling
Awarded this 3rd day of June, 2022
3DH
Provider Number: 0008177
CEH:24


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
NANDIVADA, SREELATHA
9537 LINDEN TREE LN
CHARLOTTE NC 28277
LICENSE NUMBER: PE101195
EXPIRATION DATE: FEBRUARY 28, 2027
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.

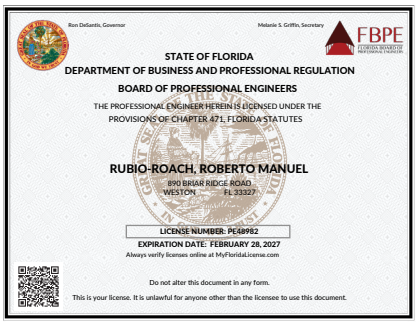

Ron DeSantis, Governor
Melanie S. Griffin, Secretary
FBPE
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
ABIA, SONNY DANIEL
12701 22ND STREET
MIRAMAR FL 33027
LICENSE NUMBER: PE48190
EXPIRATION DATE: FEBRUARY 28, 2027
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.


CERTIFICATE
OF COMPLETION
SONNY ABIA
Has Completed a FDOT Approved Temporary Traffic Control (TTC) Advanced Course
Training Provider:
T2 Centers University of Florida
2100 NE Waldo Road
Gainesville FL 32609
Phone: 352-273-1670
Verify this Certificate by visiting www.mstadmin.com
03/19/2024 Issue Date
02/23/2028 Expiration Date
JM Instructor
621562 Certificate No.
FDOT

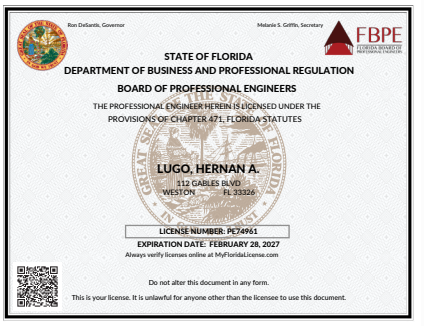

Ron DeSantis, Governor
Melanie S. Griffin, Secretary
FBPE
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
SOTO, CHRISTOPHER F.
4871 NW 101ST AVENUE
CORAL SPRINGS FL 33076
LICENSE NUMBER: PE91722
EXPIRATION DATE: FEBRUARY 28, 2027
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.

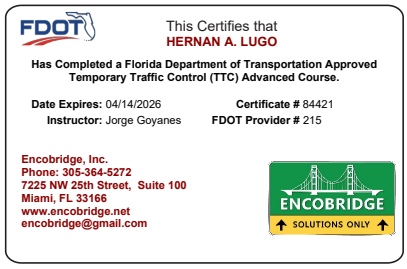

FDOT
CERTIFICATE OF QUALIFICATION
Christopher Soto
Has met the requirements for the Florida Department of Transportation qualification on:
QC Manager
01/17/2025 Valid from
01/01/2099 Expires
3036516 Certificate No.
Provider: Encobridge, Inc.
This certificate's validity can be verified at: www.ctqpflorida.com
CTQP


CERTIFICATE
OF COMPLETION
CHRISTOPHER SOTO
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
Verify this Certificate by visiting www.mstadmin.com
04/24/2025 Issue Date
04/12/2029 Expiration Date
JG Instructor
639983 Certificate No.
FDOT


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
RUBIO-ROACH, ROBERTO MANUEL
890 BRIAR RIDGE ROAD
WESTON FL 33327
LICENSE NUMBER: PE48982
EXPIRATION DATE: FEBRUARY 28, 2027
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.


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
HENG, BUNRITH
465 FORESTWAY CIRCLE
UNIT 207
ALTAMONTE SPRINGS FL 32701
LICENSE NUMBER: PE94776
EXPIRATION DATE: FEBRUARY 28, 2027
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.

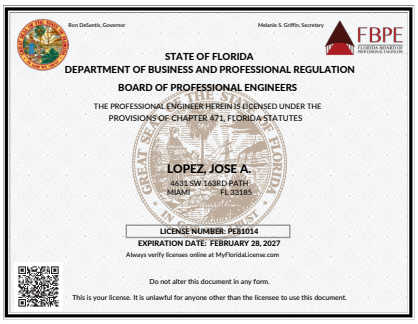

Ron DeSantis, Governor
Melanie S. Griffin, Secretary
FBPE
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
LUGO, HERNAN A.
112 GABLES BLVD
WESTON FL 33326
LICENSE NUMBER: PE74961
EXPIRATION DATE: FEBRUARY 28, 2027
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.

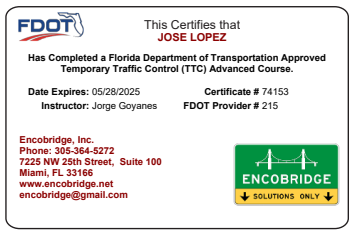

FDOT
This Certifies that
HERNAN A. LUGO
Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Advanced Course.
Date Expires: 04/14/2026
Certificate # 84421
Instructor: Jorge Goyanes
FDOT Provider # 215
Encobridge, Inc.
Phone: 305-364-5272
7225 NW 25th Street, Suite 100
Miami, FL 33166
www.encobridge.net
encobridge@gmail.com
ENCOBRIDGE
SOLUTIONS ONLY


Achievement Certificate
This Acknowledges That
Hernan Lugo , PE 74961
is recognized for
ORD 3D Modeling
Awarded this 3rd day of June, 2022
3DH
Provider Number: 0008177
CEH:24


STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF PROFESSIONAL LICENSING
ACTIVE LICENSE
EFFECTIVE DATE: 03/31/2015
EXPIRATION DATE: 03/31/2027
ISSUED TO: Adelbert John Shaffer, Jr
REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)
7937354-2202 Professional Engineer
SIGNATURE OF HOLDER

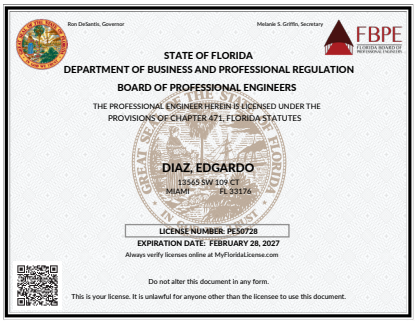
HBC Engineering Company's Personnel Licensure, *Continued...*


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
LOPEZ, JOSE A.
4631 SW 163RD PATH
MIAMI FL 33185
LICENSE NUMBER: PE81014
EXPIRATION DATE: FEBRUARY 28, 2027
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
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
Encobridge, Inc.
Phone: 305-364-5272
7225 NW 25th Street, Suite 100
Miami, FL 33166
www.encobridge.net
encobridge@gmail.com
ENCOBRIDGE
SOLUTIONS ONLY

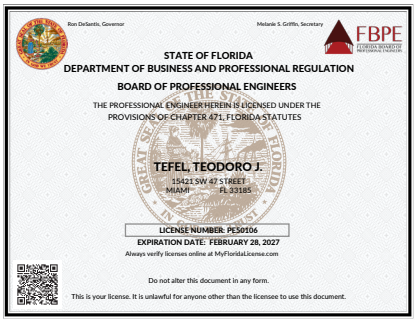

Achievement Certificate
This Acknowledges That
Jose A. Lopez, PE 81014
is recognized for
ORD 3D Modeling
Awarded this 3rd day of June, 2022
3DH
Provider Number: 0008177
CEH:24


CERTIFICATE
OF COMPLETION
ALEXANDER TZENKOV
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
Verify this Certificate by visiting www.motadmin.com
05/24/2024
05/21/2028
C S
624238
FDOT

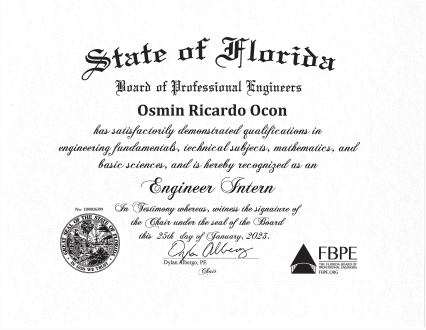

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
DIAZ, EDGARDO
13565 SW 109 CT
MIAMI FL 33176
LICENSE NUMBER: PE50728
EXPIRATION DATE: FEBRUARY 28, 2027
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.


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

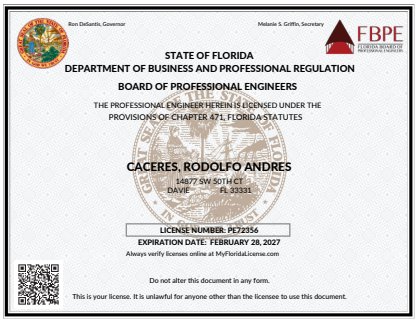

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
TEFEL, TEODORO J.
15421 SW 47 STREET
MIAMI FL 33185
LICENSE NUMBER: PE50106
EXPIRATION DATE: FEBRUARY 28, 2027
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.


Achievement Certificate
This Acknowledges That
Teodoro Tefel, PE 50106
is recognized for
ORD 3D Modeling
Awarded this 3rd day of June, 2022
3DH
Provider Number: 0008177
CEH:24


State of Florida
Board of Professional Engineers
Osmin Ricardo Ocon
has satisfactorily demonstrated qualifications in engineering fundamentals, technical subjects, mathematics, and basic sciences, and is hereby recognized as an
Engineer Intern
In Testimony whereof, witness the signature of the Chair under the seal of the Board this 25th day of January, 2023.
FBPE


CERTIFICATE
OF COMPLETION
Eugene Hunter
Has Completed a FDOT Approved Temporary Traffic Control (TTC) Advanced Course
Training Provider:
Metro Florida Safety Council
Tri-County
Dade,Broward,Palm Beach FL 33441
Phone: 954-603-1900
Verify this Certificate by visiting www.motadmin.com
01/30/2023
05/30/2027
J. M
61514R
FDOT


Eugene A. Hunter
is hereby certified as a
Renewal IMSA Traffic Signal Technician I
by completing all requirements and examination for certification
on 1/18/2024
Valid thru 1/18/2027
Certification #AA_122758
Toby Cummings - Executive Director


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
CACERES, RODOLFO ANDRES
14877 SW 50TH CT
DAVIE FL 33331
LICENSE NUMBER: PE72356
EXPIRATION DATE: FEBRUARY 28, 2027
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.


Rodolfo Caceres
is hereby certified as a
IMSA Traffic Signal Technician I
by completing all requirements and examination for certification
on 12/15/2023
Valid thru 12/15/2026
Certification #AA_143359
Catherine Wasner - Executive Director


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
RODRIGUEZ MOLIER, CLAUDIA DE LA CARIDAD
2245 SW 69TH AVE
MIAMI FL 33155
LICENSE NUMBER: PE98867
EXPIRATION DATE: FEBRUARY 28, 2027
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.

HBC Engineering Company's Personnel Licensure, *Continued...*


IMSA

Claudia Rodriguez
is hereby certified as a
IMSA Traffic Signal Technician I
by completing all requirements and examination for certification
on 12/15/2023

Valid thru 12/15/2026
Certification #AA_143354

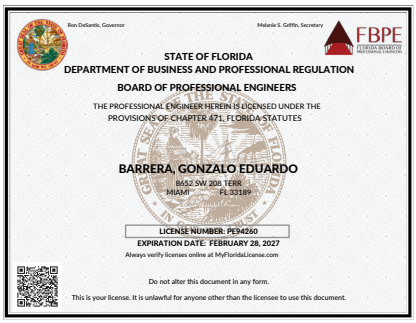
Toby Cummings - Executive Director


IMSA

Jeffrey Behari
is hereby certified as a
IMSA Traffic Signal Technician I
by completing all requirements and examination for certification
on 12/15/2023

Valid thru 12/15/2026
Certification #AA_143356

Toby Cummings - Executive Director


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

BARRERA, GONZALO EDUARDO
8652 SW 208 TERR
MIAMI FL 33189

LICENSE NUMBER: PE94260
EXPIRATION DATE: FEBRUARY 28, 2027
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.


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

BUSTAMANTE, CLAUDIA PATRICIA
8935 NW 35TH LANE
SUITE 201
DORAL FL 33172

LICENSE NUMBER: PE87381
EXPIRATION DATE: FEBRUARY 28, 2027
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.


Achievement Certificate

This Acknowledges That

Claudia Bustamante, PE 87381

is recognized for

ORD 3D Modeling

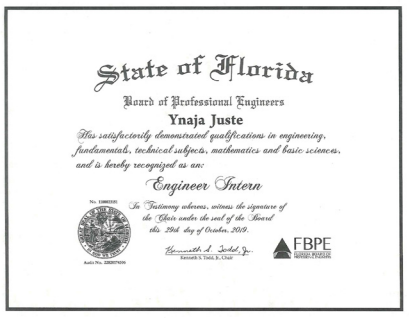
Awarded this 3rd day of June, 2022

3DH
3D HIGHWAY ENGINEERING

Mr. Richard Perez, CCE, Education President
Provider Number: 0008177

3D Highway Engineering, LLC
Inspiring and Challenging Our Students

Mrs. Nilda M Barajas, Superintendent of Schools
CEH:24


State of Florida

Board of Professional Engineers

Ynaja Juste

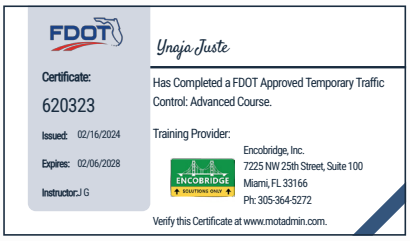
Has satisfactorily demonstrated qualifications in engineering, fundamentals, technical subjects, mathematics and basic sciences, and is hereby recognized as an:

Engineer Intern

In Testimony whereof, witness the signature of the Chair under the seal of the Board this 29th day of October, 2019.

Kenneth A. Todd, Jr., Chair

FBPE


FDOT

Ynaja Juste

Certificate: 620323

Issued: 02/16/2024

Expires: 02/06/2028

Instructor: J G

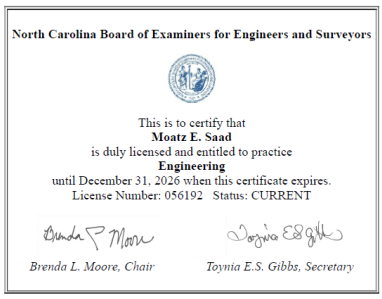
Has Completed a FDOT Approved Temporary Traffic Control: Advanced Course.

Training Provider:

ENCOBRIDGE SOLUTIONS GROUP

Encobridge, Inc.
7225 NW 25th Street, Suite 100
Miami, FL 33166
Ph: 305-364-5272

Verify this Certificate at www.motadmin.com.


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, 2026 when this certificate expires.
License Number: 056192 Status: CURRENT

Brenda L. Moore, Chair

Toynia E.S. Gibbs, Secretary


IMSA

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


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

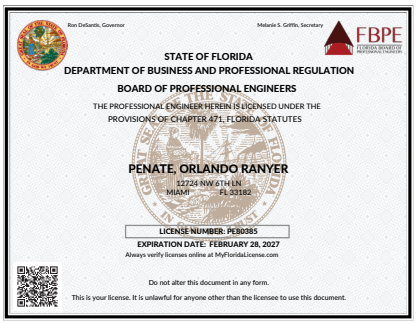
Certification Number: 5763


IMSA

Jeremy T.L. Braithwaite
is hereby certified as a
IMSA/FOA Certified Fiber Optic Technician
by completing all requirements and examination for certification
on 8/16/2023

Valid thru 8/16/2026
Certification #CFOT_131500

Catherine Wasner - Executive Director


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

PENATE, ORLANDO RANYER
12724 NW 6TH LN
MIAMI FL 33182

LICENSE NUMBER: PE80385
EXPIRATION DATE: FEBRUARY 28, 2027
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.


IMSA

Orlando Penate
is hereby certified as a
IMSA Traffic Signal Senior Field Technician III
by completing all requirements and examination for certification
on 8/2/2024

Valid thru 8/2/2027
Certification #CE_131518

Catherine Wasner - Executive Director


Achievement Certificate

This Acknowledges That

Orlando Penate, PE 80385

is recognized for

ORD 3D Modeling

Awarded this 3rd day of June, 2022

3DH
3D HIGHWAY ENGINEERING

Mr. Richard Perez, CCE, Education President
Provider Number: 0008177

3D Highway Engineering, LLC
Inspiring and Challenging Our Students

Mrs. Nilda M Barajas, Superintendent of Schools
CEH:24


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

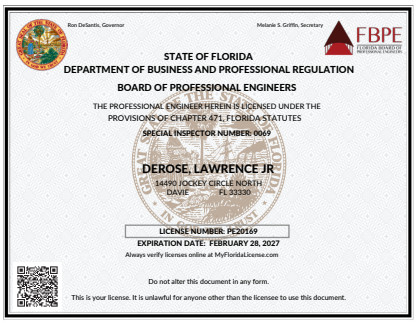
FIALLO NUNEZ, MAIKEL
3434 SW 16 TERR
MIAMI FL 33145

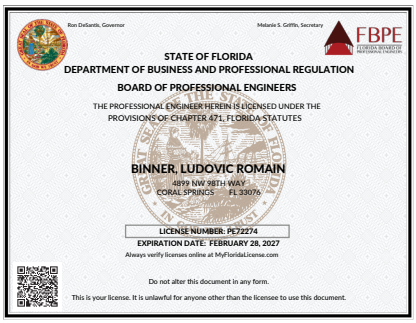
LICENSE NUMBER: PE94434
EXPIRATION DATE: FEBRUARY 28, 2027
Always verify licenses online at MyFloridaLicense.com

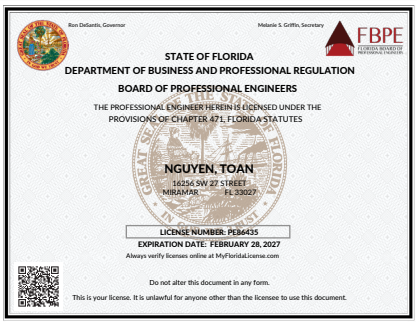
Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Subconsultant's Personnel Licensure


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
BLANKENSHIP, TIMOTHY KING
77 GRANDON BLVD.
UNIT 4C
KEY BISCAYNE FL 33149
LICENSE NUMBER: PE55910
EXPIRATION DATE: FEBRUARY 28, 2027
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.

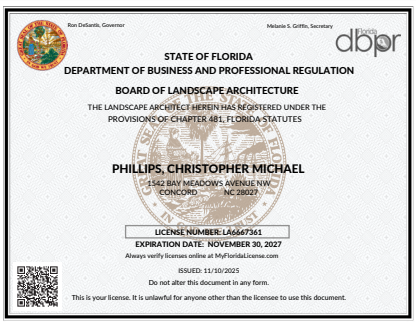

Ron DeSantis, Governor — Melanie S. Griffin, Secretary
FBPE
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
SPECIAL INSPECTOR NUMBER: 0069
DEROSE, LAWRENCE JR
14490 JOCKEY CIRCLE NORTH
DAVIE FL 33330
LICENSE NUMBER: PE20169
EXPIRATION DATE: FEBRUARY 28, 2027
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.

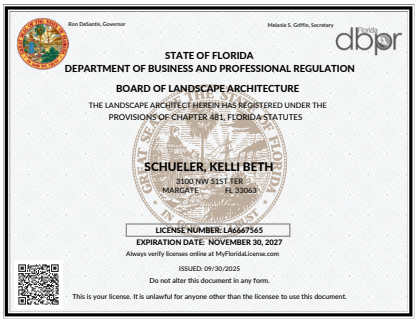

Ron DeSantis, Governor — Melanie S. Griffin, Secretary
FBPE
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
BINNER, LUDOVIC ROMAIN
4899 NW 98TH WAY
CORAL SPRINGS FL 33076
LICENSE NUMBER: PE72274
EXPIRATION DATE: FEBRUARY 28, 2027
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.

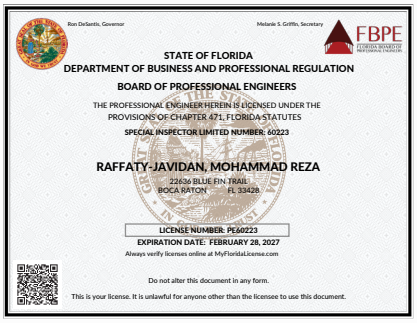

Ron DeSantis, Governor — Melanie S. Griffin, Secretary
FBPE
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
NGUYEN, TOAN
16254 SW 27 STREET
MIRAMAR FL 33027
LICENSE NUMBER: PE86435
EXPIRATION DATE: FEBRUARY 28, 2027
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.


BRYAN ALAN MERRITT
134 KINGS WAY, ROYAL PALM BEACH, FL 33411-1512

License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS6558	07/18/06	02/28/27	Active


Ron DeSantis, Governor — Melanie S. Griffin, Secretary
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
PHILLIPS, CHRISTOPHER MICHAEL
1542 BAY MEADOWS AVENUE NW
CONCORD NC 28027
LICENSE NUMBER: LA6667361
EXPIRATION DATE: NOVEMBER 30, 2027
Always verify licenses online at MyFloridaLicense.com
ISSUED: 11/10/2025
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.


Ron DeSantis, Governor — Melanie S. Griffin, Secretary
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
SCHUELER, KELLI BETH
3100 NW 51ST TER
MARGATE FL 33063
LICENSE NUMBER: LA6667565
EXPIRATION DATE: NOVEMBER 30, 2027
Always verify licenses online at MyFloridaLicense.com
ISSUED: 09/30/2025
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.


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
SPECIAL INSPECTOR LIMITED NUMBER: 60223
RAFFATY-JAVIDAN, MOHAMMAD REZA
22636 BLUE FIN TRAIL
BOCA RATON FL 33428
LICENSE NUMBER: PE60223
EXPIRATION DATE: FEBRUARY 28, 2027
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.



APPENDIX C

COMPANY ALCOHOL & DRUG POLICY

HBC ALCOHOL AND DRUG POLICY

Purpose

Alcohol and drug abuse rank as one of the major health problems in the United States. Our employees are our most valuable resource, and their safety and health are of paramount concern. We are committed to providing a safe working environment to protect our employees and others; to provide the highest level of service; and to minimize the risk of accidents and injuries.

General Policy

Every Firm employee has a responsibility to co-workers and the public to deliver services in a safe and conscientious manner. Continuing research and practical experience have proven that even limited quantities of narcotics, abused prescription drugs or alcohol can impair your reflexes and judgment. This impairment, even when not readily apparent, can have catastrophic results. For these reasons, we have adopted a policy that all employees must report to work and remain completely free from the presence of drugs or under the influence of alcohol.

Drug Use/Distribution/Possession/Impairment.

All employees are prohibited from manufacturing, cultivating, distributing, dispensing, possessing or using illegal drugs or other unauthorized or mind-altering or intoxicating substances while on Firm property (including parking areas and grounds), or while otherwise performing their work duties away from the Firm. Included within this prohibition are lawful controlled substances, which have been illegally or improperly obtained. This policy does not prohibit the possession and proper use of lawfully prescribed drugs taken in accordance with the prescription.

Employees are also prohibited from having any such illegal or unauthorized controlled substances in their system while at work, and from having excessive amounts of otherwise lawful controlled substance in their systems. This policy does not apply to the authorized dispensation, distribution or possession of legal drugs where such activity is a necessary part of an employee's assigned duties.

Alcohol Use/Distribution/Possession/Impairment

All employees are prohibited from distributing, dispensing, possessing or using alcohol while at work or on duty. Furthermore, all employees are prohibited from having alcohol in their system while at work or on duty.

Prescription Drugs

The proper use of medication prescribed by your physician is not prohibited; however, we do prohibit the misuse of prescribed medication. Employees' drug use may affect their job performance, such as by causing dizziness or drowsiness. In addition, employees can report the use of prescription or nonprescription drugs which may affect drug tests by completing a written consent form. It is the employee's responsibility to determine from his/her physician whether a prescribed drug may impair job performance.

Notification of Impairment

It shall be the responsibility of each employee who observes or has knowledge of another employee in a condition which impairs the employee to perform his or her job duties, or who presents a hazard to the safety and welfare of others, or is otherwise in violation of this policy, to promptly report that fact to his or her immediate supervisor.

Name of Respondent's Agency/Firm: HBC Engineering Company

Name of Contact: Sreelatha Nandivada, MS, PE | Adebayo Coker, PE

Address: 5200 NW 33rd Ave, Suite 211, Fort Lauderdale, FL 33309

E-Mail: snandivada@hbcengineeringco.com | acoker@hbcengineeringco.com

Telephone Number: (480) 703-2072 | (305) 232-7932

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Prime /Firm Name	HBC Engineering Company

Position / Classification	Maximum Hourly Rate ($)
CEI Inspector	$ 125.60
CEI Senior Inspector	$ 208.00
CADD/Computer Technician	$ 138.46
CEI Project Admin/CEI Project Engineer	$ 207.68
CEI Senior Project Engineer	$ 300.80
Chief Engineer 1	$ 288.00
Chief Engineer 2	$ 323.07
Chief Planner	$ 284.61
Chief Utility Coordinator	$ 181.54
Community Outreach Specialist - Junior	$ 115.39
Electrical Engineer	$ 238.46
Engineer 1	$ 223.07
Engineer 2	$ 284.61
Engineering Intern	$ 146.14
Engineering Technician	$ 114.59
GIS Specialist	$ 146.14
Project Manager 1	$ 284.61
Secretary/Clerical	$ 115.39
Senior Electrical Engineer	$ 284.61
Senior Engineer 1	$ 215.39

Senior Engineer 2	$	300.80
Senior Engineering Technician	$	126.91
Transportation Data Analyst	$	100.00
Transportation Data Scientist	$	261.54
Transportation Data Technician	$	115.20
Utility Coordinator	$	106.88

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	**Moffatt & Nichol - Engineers/Scientists**

Position / Classification	**Maximum Hourly Rate ($)**
Supervisory Engineer	$ 312.00
Senior Engineer	$ 281.00
Engineer III	$ 224.00
Engineer II	$ 193.00
Engineer I	$ 156.00
Designer	$ 162.00
CADD II	$ 136.00
CADD I	$ 120.00
Project Controls/Word Processing/General Clerical	$ 125.00

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	KEITH and Associates, Inc.

Position / Classification	Maximum Hourly Rate ($)
Project Executive	$ 350.00
Project Manager	$ 250.00
Project Controls Specialist	$ 150.00
Administrative Assistant	$ 125.00
Principal Engineer	$ 280.00
Senior Engineer	$ 230.00
Professional Engineer	$ 200.00
Engineering Designer	$ 165.00
Engineering Technician	$ 135.00
Principal Landscape Architect	$ 280.00
Senior Landscape Architect	$ 230.00
Landscape Architect	$ 200.00
Landscape Designer	$ 165.00
Landscape Technician	$ 135.00
Arborist	$ 200.00
Planning Director	$ 280.00
Planning Manager	$ 230.00
Principal Planner	$ 200.00
Planner	$ 165.00
Planning Technician	$ 135.00

Chief Utility Coordinator	$	230.00
Senior Utility Coordinator	$	200.00
Utility Coordinator	$	165.00
Utility Coordinator Technician	$	135.00
Construction Director	$	280.00
Senior Construction Manager	$	230.00
Construction Manager	$	200.00
Senior Inspector	$	180.00
Inspector	$	160.00
Chief Surveyor	$	280.00
Senior Surveyor /SUE	$	230.00
Project Surveyor / SUE	$	200.00
Survey / SUE Analyst	$	165.00
Survey / SUE Technician	$	135.00
Survey UAS/LiDAR Crew	$	250.00
Survey Crew	$	235.00
Utility Designating Crew	$	225.00
SUE Crew	$	400.00
Vacuum Excavation	$550/Ea.	

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	**Media Relations Group, LLC**

Position / Classification	**Maximum Hourly Rate ($)**
Senior Community Outreach Specialist	$ 187.43
Community Outreach Specialist	$ 105.94
Graphic Designer	$ 127.94

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	Florida Engineering & Testing, Inc.

Position / Classification	Maximum Hourly Rate ($)
Principle Engineer	$ 462.00
Engineer Intern (EI)	$ 184.80
Project Manager II	$ 231.00
Senior Engineering Technician	$ 115.50
Secretary/Clerical	$ 92.40