

Ynaja Juste, EI

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

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

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

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

Florida Department of Transportation (FDOT) District 4, SR-817/University Dr Widening from Nova Dr to SR-84. Ynaja was a Data Collection Lead for this effort, which involved traffic data collection tasks including turning movement counts, ATR volume data, Origin-Destination, travel time and speed data, spot speed data at individual points, and queuing data and analysis. Collected data was used to conduct the safety and operational analysis for three different concepts along SR-817 from Nova Drive to SR-84. Vissim microsimulation and Synchro analyses were performed for comparing measures of effectiveness between intersections. Signal retiming and Surrogate Safety Assessment Model (SSAM) analysis were conducted. A target speed study was also prepared for the studied segment. *Location: Broward County, FL. Dates: 2022–Ongoing. Reference: Lance Jones Jr, (954) 777-4680 lance.jones1@dot.state.fl.us, FM# 445624-1-32-01, Contract No.: CA167*

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

Christopher Soto, PE, RSO

LAP Compliance | Constructability Review

Christopher specializes in Local Agency Program (LAP) compliance, contract administration, and construction engineering and inspection (CEI) for roadway and infrastructure projects. He has extensive experience managing LAP-funded projects for FDOT Districts 4 and 6, Miami-Dade County, the City of Doral, and the Town of Medley, ensuring compliance with federal and state funding requirements. His expertise includes grant compliance, funding documentation, project audits, cost estimating, permitting, and construction oversight, with a strong focus on delivering roadway, pedestrian, drainage, and utility infrastructure improvements. Christopher has played a key role in coordinating funding reimbursements, conducting project audits, and ensuring adherence to regulatory standards to support successful project execution. Proficient in FDOT LAP procedures, he works closely with municipalities and agencies to streamline project delivery and maximize funding utilization. Passionate about enhancing transportation infrastructure through effective project management, he is committed to delivering high-quality solutions that improve mobility and safety in local communities.

Palm Beach County (PBC), CEI Services for the Seminole Blvd Multi-Use Trail and Pedestrian Lighting LAP Project. Senior Project Engineer for this project, which involves several significant enhancements, including the installation of designer poles to improve lighting aesthetics, widening of concrete sidewalks on the east and west sides of the corridor from 6' to 12' to accommodate pedestrians and bicyclists, and upgrades to the drainage system. The drainage improvements include the addition of 30" and 18" French drains and supplemental manhole structures. This project also encompasses milling and resurfacing throughout the project limits and installation of steel guide rails and full-width detectable surfaces to ensure compliance with American with Disabilities Act (ADA) requirements, which are coordinated alongside the lighting improvements. This project required adherence to federal and state standards, including FDOT guidelines and ADA compliance. Chris provided daily reports, photo documentation, Maintenance 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.*



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 Gauge Safety/

Christopher Soto, PE, RSO

Mehta, (407) 657-6662, Contract No.: 2021052-CSA No. 3.

***City of Doral, Federally Funded Citywide Pedestrian, Drainage, & Roadway Improvements LAP Project.** Senior Project Engineer for this LAP funded project that involved multiple locations in Doral, including NW 27th Street, NW 102nd Avenue, NW 87th Court/NW 26th Street, NW 89th Court, and NW 84th Avenue, and consisted of various construction operations, such as sidewalks, driveways, curb and gutter, storm sewer manholes, French drains, sub-base and base restoration, pavement restoration, pavement markings, tree removal and relocation, and sod restoration. Christopher was responsible for conducting bi-weekly progress meetings, managing invoices, assisting the City of Doral with state funding packages for reimbursement, obtaining permits from local governing agencies, facilitating daily inspections, and handling all documentation for project closeout, including a comprehensive punch list. A dedicated Construction Support Specialist (CSS) ensured accurate data entry into GAP and organized all project documentation for timely reimbursement submissions of the allocated federal funds. *Location: Doral, FL. Dates: 11/2022–2/2023. HBC Fee: \$1M. Reference: Julio Amoedo, MPA, CGC, CUC, GEC, (305) 593-6740, julio.amoedo@cityofdoral.com. FM No. 440847-1. Contract G1628. Federal ID No. D618-082-B.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design-Build Services for The Underline - Phase II.

QA/QC and Constructability Reviewer for this Design-Build Project that involves improvements along the Metrorail Right of Way (ROW) including signing and pavement markings, wayfinding signage, street furniture, landscaping, and lighting. The area of this project spans from SW 13th Street to SW 19th Avenue along the Underline. The segment is 2.4 miles long and adjacent to the Vizcaya Metrorail Station. The scope of work includes civil design, landscaping design, electrical design, surveying, geotechnical engineering, permitting, signing and pavement markings, public involvement, and coordination of design with utility companies, MDC, and the City of Miami. In addition, the scope of work also involves potential archaeological monitoring and environmental investigation, remediation, and reporting. *Location: Miami, FL. Dates: 04/42024-Ongoing. Reference: Mario B. Rojas IV, PE. HBC Fee: \$32K. Construction Cost: \$20M. Contract No.: DB18-DTPW-01.*

Miami-Dade County Department of Transportation and Public 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**

Eugene “Gene” Hunter, IMSA I

Contract Administrator

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,



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**

Eugene Hunter, IMSA I

Maintenance of Traffic (MOT), crash attenuators, signalization, and resurfacing. Gene was responsible for coordinating subcontractors, ensuring compliance with project specifications, managing Laboratory Information Management 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.*

Claudia Rodriguez, PE, IMSA I

Construction Administrator

Claudia is a seasoned Construction Project Manager with deep expertise in Construction Engineering and Inspection (CEI) and compliance monitoring on state and federally funded projects. She has extensive experience managing Intelligent Transportation System (ITS) projects, overseeing all phases from plans review, construction, installation, and testing to final acceptance. Claudia ensures strict adherence to NEC Codes, CPAM, and Florida Department of Transportation (FDOT) standards. Her project portfolio includes complex activities, such as milling and resurfacing, utility relocations, and sidewalk, drainage, and landscaping improvements. 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.

Florida's Turnpike Enterprise (FTE), System-Wide Queue Warning on SR-91 and SR-429. 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), 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.*

Florida's Turnpike Enterprise (FTE), CEI Services for DMS Upgrade and Retrofit on SR-91 (135-307) & SR-429 (2.6-9.8). 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*



9 Years of Experience

CSS: 3 years

PA: 1 year

TSM&O & Roadway

Inspection: 5 years

Years with HBC

3 years

Availability

75%

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

Claudia Rodriguez, PE, IMSA I

Florida's Turnpike Enterprise (FTE), CEI Services for DMS Upgrade and Retrofit on SR-589 (2-8.4). 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), SR-821/Homestead Extension of Florida's Turnpike (HEFT) Widening from SR-836/Dolphin Expressway to NW 106th St.** ITS Construction Project Manager, Traffic Signal Contractor, and Lighting Contractor responsible for the installation of all electrical/electronic components for 5 Open Road Tolling (ORT) buildings, including lightning protection and backup generator and fuel tank. This project also includes the installation, testing, and integration of 12 Closed-Circuit Television (CCTV) cameras, 3 Dynamic Message Signs (DMSs), 38 Microwave Vehicle Detection Systems (MVDSs), 44 concrete poles, over 19 miles of Fiber Optic Cable (FOC) network, and 12 electrical service points. *Location: Miami-Dade County, FL. Dates: 2021-Ongoing. FM No.: 435543-1-52-01. Contract No. E8R80. Construction Cost: \$13M. Reference: Clay Morris, (772) 618-0066, tmorris@halleyeng.com.*

***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, 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.*

***Florida's Turnpike Enterprise (FTE), Dynamic Message Signs (DMSs) and Closed-Circuit Television (CCTV) Camera Installations.** ITS Construction Project Manager responsible for the installation, testing, and integration of 10 Closed-Circuit Television (CCTV) cameras along SR-869/Sawgrass Expressway and SR-91/Florida's Turnpike Mainline in Broward and Palm Beach Counties, as well as 10 Arterial Dynamic Message Signs (ADMSs) and 8 CCTV camera improvements at the southern service plazas (MP 18 -185.5), including Snapper Creek, Pompano Beach, West Palm Beach, Port St. Lucie, and Fort Drum. *Locations: Okeechobee, St. Lucie, Palm Beach, Broward, and Miami-Dade Counties, FL. Dates: 2021. FM Nos.: 443634-1-52-01 & 443878-1-52-01. Contract No.: E8S19. Construction Cost: \$2 M. Reference: Jaime Gomez, (954) 789-1383, jaime.gomez@dot.state.fl.us*

Palm Beach County (PBC), Cherry Rd from Military Trail to Quail Dr. Construction Administrator 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. *Location: Westgate, FL. Dates: 6/2024-Ongoing. Contract No.: 2021025. HBC Fees: \$60K. Reference: Eugenio Ochoa,*

Information System CBT

ITS CEI Closed-Circuit Television CBT

ITS CEI Dynamic Message Signs CBT

ITS CEI Managed Field Ethernet Switch CBT

Fiber Design CBT

Adaptive Signal Control Technology (ASCT) Training

Languages

English and Spanish

***Prior to HBC**

Rodolfo Caceres, PE, IMSA I

Construction Administrator

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. 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).*



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

***Prior to HBC**

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.*

John Snyder III

Project Administrator

John Snyder brings extensive experience in all phases of both large and small construction projects, from the initial pursuit to final acceptance. His expertise lies in strategic project planning, understanding Florida Department of Transportation (FDOT) processes, and managing contractor processes. He excels in problem-solving, conflict resolution, and time management, particularly when dealing with utility conflicts and plan errors. John holds certifications in all aspects of construction in the State of Florida, including asphalt, earthwork, bridges, concrete, Maintenance of Traffic (MOT), Intelligent Transportation System (ITS), signalization, landscaping, Quality Control (QC) Manager, Project Manager, and Occupational Safety and Health Administration (OSHA).

***Project Administrator (PA)/Radiation Safety Officer (RSO).** Project Administrator and a key contributor to the pursuit team that won the above mentioned FDOT projects for Colliers. John played a pivotal role in building the newly established team in FDOT District 5. He set up the internal procedures, managed project scope, set quality and performance standards, and assessed risk. He also established an inventory list of essential materials, devices, testing equipment and vehicles, and set up accounts with vendors. He co-developed a job site safety plan and became the Site Safety Leader. He also served as the Resident Safety Officer in charge of the Nuclear Radiation Safety program.

- FDOT D5 Brevard County T5800 Intersection Milling & Resurfacing Drainage approx. \$3M
- FDOT D5 Brevard County T5797 Milling & Resurfacing Drainage Improvements approx. \$5M
- FDOT D5 Brevard County E50F5 Milling & Resurfacing Drainage Improvements approx. \$4M
- FDOT D5 Brevard County T5805 Milling & Resurfacing approx. \$7M
- He oversaw the risk management throughout the project, identifying, evaluating, and mitigating risks that could delay and have a costly impact on the project's outcome.
- He worked with local agencies to identify and address utility conflicts and proposed solutions for powerline violations of the OSHA buffer space.
- During his plan review, John identified a major error in the TTCP phasing for a newly installed Midblock crossing, resulting in additional compensation for the contractor, maintaining the original contract schedule and improved safety for the public.
- He maintained regular contact with the stakeholders, providing day-to-day updates on project status and changes. He also attended monthly District 5 Issues meeting, where he was able to contribute by addressing a major plan error involving an undocumented driveway in direct conflict with FDOT's access management plans.

Location: Maitland, FL. Dates: 9/2023–4/2021.



33 Years of Experience

Years with HBC

1 year

Education

High School Diploma
(09/10/1992)

Registration(s)

TIN No. S53646374

Licenses & Certifications

FDOT Advanced MOT
Asphalt Paving Level 1
Asphalt Paving Level 1
Asphalt Paving Level 2
Asphalt Paving Level 2
Concrete Field Inspector Level 2
Concrete Field Technician Level 1
Drilled Shaft Inspection
Earthwork Construction Inspection Level 1
Earthwork Construction Inspection Level 2
Final Estimates Level 1
Final Estimates Level 1
Final Estimates Level 2
Pile Driving Inspection
QC Manager
Microsoft Office Suite
ACI Certification
OSHA 10-Hour
***Prior to HBC**

John Snyder III

***Assistant Project Administrator/Lead Senior Bridge Inspector/Construction Pursuit Manager.** As part of the newly formed bridge group for Hillsborough County Capital Improvement Program, Enhancing Bridges for Safer Roads, John has been actively involved in managing a diverse range of projects within the Hillsborough County Capital Improvement Program. Our focus is on bridge rehabilitation and replacement, with project budgets spanning from \$300,000 to well over \$1M. These critical infrastructure initiatives play a pivotal role in maintaining safe and efficient transportation networks.

- Multiple Hillsborough County Bridge Capital Improvement Projects cost approx. *\$1.8M*
- Multiple FDOT D5, D7, and D1 Emergency Disaster Response Contracts restore roads to safe *approx. \$5M*

John's duties involved:

- Bridge Assessment: Evaluating the condition of existing bridges and identifying areas for improvement.
- Project Kick-Offs: Initiating project planning and coordination.
- Inspections: Regularly assessing construction progress and quality.
- Material Certification: Ensuring that materials meet safety and quality standards.
- Coordination with Local Agencies: Collaborating with relevant authorities to streamline processes.
- Invoicing: Managing financial aspects of the projects.
- Punch List Completion: Addressing any outstanding items before project closure.
- Substantial Completion: Verifying that project milestones have been achieved.
- Creating and Maintaining Project Files: Documenting project details for future reference.
- MOT (Maintenance of Traffic): Safely managing traffic during construction.
- Final Acceptance: Ensuring successful project delivery.

In the Construction Manager role, John led the Central Florida Proposal Team to spearhead collaborative efforts with industry partners to enhance staffing capabilities, strengthening our proposals for CEI contracts.

- Conducted thorough risk assessments across multiple disciplines, aligning with client specifications and project mandates to ensure pursuit viability.
- Exercised strategic decision-making by discontinuing pursuits when alignment with client needs was unattainable with current resources, optimizing resource allocation.
- Oversaw the tracking of company pursuits across various regions, maintaining a comprehensive understanding of our competitive positioning. Provided assessments as subject matter expert with insights on plans, constructability, scheduling, materials, and MOT, significantly contributing to the strength of our submittals.
- Engaged with a diverse array of stakeholders, including local agencies, businesses, city councils, and residents, to gain a nuanced understanding of regional needs and expectations.
- Analyzed crash reports and traffic data to integrate safety considerations into our proposals, demonstrating our commitment to community well-being.

Location: Maitland, FL. Dates: 9/2022–9/2023.

Sonny Abia, PhD, PE

Utility Coordination

Dr. Abia is a seasoned civil engineer specializing in utility coordination across complex infrastructure projects in Florida. His role has involved coordinating with Utility Agent Owners (UAOs) and agencies, managing utility tickets, conducting conflict resolution meetings, organizing field reviews, and ensuring compliance through the preparation of Final Utility Certification packages. His extensive work with the Florida Department of Transportation (FDOT) and various municipalities highlights his adeptness in navigating utility regulations and securing necessary certifications. Dr. Abia's expertise in utility coordination is complemented by his background in quality assurance/quality control (QA/QC), project management, and coordination of large-scale construction initiatives.

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Roadway Improvements from SW 24th Street/Nova Dr to EB SR-84. Utility Coordinator and Quality Assurance/Quality Control (QA/QC) reviewer for the design of roadway improvements along SR-817/ University Drive, from SW 24th Street/Nova Drive to Eastbound SR-84. The project includes pavement widening to accommodate an auxiliary lane from NW 23rd Street to the westbound I-595 ramp, and relocation of drainage structures, overhead signs, a mast arm, and utility poles. It also includes reconfiguring the bus stop bay at the northeast corner of SW 24th Street/Nova Drive and University Drive, and right-turn lanes for the Royal Grand community, PNC Bank, and SW 24th Street/Nova Drive. Dr. Abia is responsible for Utility Coordination and QA/QC reviews to ensure design compliance. The project improves traffic flow and safety. *Location: Broward County, FL. Dates: 2022-Ongoing. Contract Amount: \$1.7M.*

Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements Project Task 1. This project involved intersection lighting retrofits and sidewalk and safety improvements on SR-7/US-441 from the Broward/Miami-Dade County Line to north of Sample Road and included the following intersections along SR-7/US-441: Pembroke Road, Davie Boulevard, NW 24th Street, NW 34th Street, NW 37th Street, NW 41st Street, NW 44th Street, Headway Office Park Road, and SR-858/ Hallandale Beach Boulevard from Edmund Road to SW 58th Avenue. This project also included bike lane improvements from Southgate Boulevard to Cypress Creek Canal Bridge and SR-858/Hallandale Beach Boulevard from Edmund Road to SW 58th Avenue. Dr. Abia carried out Quality Assurance/ Quality Control (QA/QC) reviews of all the computations in 3 phases and was responsible for utility coordination and plans review for this project. *Location: Broward County, FL. Dates: 2018–2021. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

Florida Department of Transportation (FDOT) District 4, SR-7/ US-441 Transit Corridor Improvements Project Task 2. This project involved the construction of a shared-use path along the North Fork New



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**

Sonny Abia, PhD, PE

River connecting from SR-7/US-441 to NW 31st Avenue; construction of a shared-use path along SR-7/US-441 connecting Oakes Road to the New River Greenway with 2 pedestrian underpasses at SR-7/US-441 NB to the I-595 on-ramp and I-595 WB to the SR-7/US-441 NB off-ramp; and sidewalk construction on the east side of SR-7/US-441 connecting Orange Drive to Oakes Road. Dr. Abia was responsible for performing Quality Assurance/Quality Control (QA/QC) reviews and utility coordination for this project. *Location: Broward County, FL. Dates: 2017–2023. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

***Florida Department of Transportation (FDOT) District 4, SR-9/I-95 Street Lucie West Boulevard Interchange Improvement Permit Project.** Project Manager for the Complex/Major Design of Highway Widening on St. Lucie West Blvd., expanding it to a six-lane urban typical section from Commerce Center Parkway to NW Peacock Blvd. This project included widening the existing bridge, constructing a parallel bridge over I-95, and making incidental improvements to the ramp termini. Prepared for the City of Port St. Lucie and funded by Kolter Corporation, Dr. Abia ensured the design met FDOT, FHWA, and AASHTO standards. His responsibilities included managing and coordinating the pavement design, new bridge and bridge widening design calculations and drawings, typical sections, drainage, environmental permits, and utility coordination. Dr. Abia also reviewed and responded to comments using the Electronic Review Comment system (ERC). *Location: St. Lucie County, FL. Dates: 2004 - 2006. Reference: Joseph Borello, (954) 777-4400.*

***Florida Department of Transportation (FDOT) District 4, SR-816/Oakland Park Blvd from Bayview Dr to SR-A1A.** Milling and resurfacing of 6 lanes of urban roadway, signing and marking plans, landscaping and irrigation system. Drainage, sidewalk, decorative lighting, signalization and parking. Project Manager responsible for managing the project from consultant selection to production of complete set of plans for construction. These duties involved consultant selection through advertisement, setting of scope of services, negotiation, contract procurement, management of the design contract, invoices review and payments to the consultant, progress reports, consultant evaluations, design and coordination of permits, maintenance agreement, public information workshop and liaison between the FDOT and the local agencies. Review and approval of each phase completed plans and all supporting documents for production complete package. *Location: Broward County, FL. Reference: Joseph Borello, (954) 777-4426.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. Utility Coordinator and Quality Assurance/Quality Control (QA/QC) Reviewer for the widening and reconstruction of NW 84th Avenue. The project aims to expand the existing roadway by adding northbound and southbound through lanes, a center two-way left-turn lane, harmonized driveways and intersecting side streets, and sidewalks on both sides, culminating in a curved five-lane undivided urban roadway configuration. Additional project components include a new closed drainage system interlinked with the existing system, a stormwater management facility to offset increased impervious surfaces, and culvert extensions at NW 58th Street to accommodate the widened roadway. A retaining wall was also constructed at the NW quadrant of NW 58th Street for culvert support. Key upgrades include the replacement of two mast arms and the enhancement of signalized intersections at each end of the project to align with the new roadway layout. A comprehensive landscape inventory and disposition plan were prepared, and a new street lighting system was installed along the corridor from NW 58th Street to 400 feet north of NW 61st Street on the east side, extending to NW 74th Street on the west side to avoid conflicts with existing and relocated overhead utilities. The project also involves the removal and disposal of contaminated or solid waste materials at a Class 1 landfill facility. *Location: Doral, FL. Dates: 2022 - Ongoing. Contract Amount: \$1M*

Leandro Vazquez

Utility Coordinator

After receiving my bachelor's degree in English from Florida International University, I was about to start Law School at the University of Miami when I decided to go into business for myself by opening a brick-and-mortar retail men's and women's name-brand clothing and accessories store in Mall of the Americas. To expand the business, I later opened another brick-and-mortar store in Southland Mall and added an eBay store to tap into the increasing E-commerce market. After 30 successful years of co-owning and managing the business, I decided to change careers. I am currently writing, editing, and proofreading technical proposals for HBC Engineering Company.



1 Years of Experience

Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr from N of WB SR-84-NW 1st St. Utility Coordinator overseeing utility relocations and conflict resolution for roadway widening and infrastructure improvements along SR-817/University Drive from Nova Drive to SR-84. Coordinated with utility owners, design teams, and contractors to facilitate the relocation of drainage structures, overhead signs, a mast arm, and utility poles while minimizing service disruptions. Managed utility adjustments to accommodate the addition of an auxiliary lane from NW 23rd Street to the WB 595 ramp and the reconfiguration of the bus stop bay at Nova Drive and University Drive. Ensured compliance with regulatory requirements and right-of-way constraints while addressing utility conflicts related to the reconfiguration of right-turn lanes serving the Royal Grand community, PNC Bank, and Nova Drive. Assisted in construction phasing and permitting to align utility work with project schedules and FDOT standards. *Location: Plantation, FL. Dates: 01/2025 - Ongoing. Construction Cost: \$7M. Reference: Adham Naiem, PE, (954) 777-4440. Contract No.: 445624-1-52-01.*

Years with HBC
5 years

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

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

City of Belle Glade, Basin H1 Stormwater Improvements. Utility Coordinator for stormwater infrastructure improvements in Basin H1, a 48-acre area bounded by Dr. Martin Luther King Jr. Boulevard West, SW 4th Street, SFCD Canal 1, and South Main Street. Facilitated the relocation and protection of existing utilities to support the installation of approximately 7,300 LF of new drainage pipes, 65 new drainage structures, a downstream defender, and a new outfall to Canal 1. Coordinated with utility providers to mitigate conflicts and ensure the seamless integration of a hydrodynamic stormwater treatment device to enhance water quality. Assisted in systemwide stormwater improvement planning to reduce flood risks, address ponding issues near City Hall, and enhance infrastructure reliability while minimizing disruptions through intentional lane closures. Ensured compliance with regulatory standards and future-proofed the system by incorporating a stub-out for potential future flood mitigation projects. *Location: Belle Glade, FL. Dates: 02/2025-Ongoing. HBC Fee: \$343K. Reference: Albert Caruso, (954) 632-9842.*

City of Fort Lauderdale, Riverwalk North Seawall Replacement Project. Utility Coordinator overseeing utility relocations and conflict resolution for the replacement of the Riverwalk North seawall, spanning 500 feet west from the Andrews Avenue bridge toward the FXE train track. Coordinated with utility providers to facilitate the relocation of utilities attached to the existing concrete catwalk and the replacement of utility stations and electrical shore-tie pedestals. Supported design and construction efforts by ensuring utility adjustments aligned with the installation of new sheet piling, fixed docks, and floating docks with amenities. Assisted in data

Leandro Vasquez

collection, existing conditions review, and the identification of deteriorated structural elements requiring repair. Provided post-design support, including attending pre-construction meetings and reviewing shop drawings, product data, and submittals to ensure compliance with project specifications and regulatory requirements. *Location: Fort Lauderdale, FL. Dates: 02/2025 - Ongoing. HBC Fee: \$386K. Reference: Ana Ziegler, EE/PM II, (954) 828-5817.*

City of Riviera Beach, Riviera Beach Water Treatment Plant (WTP) Design-Build Phase 1. Utility Coordinator facilitating utility relocations and infrastructure adjustments for the City of Riviera Beach's Advanced Water Treatment Plant at the Avenue L parcel as part of a progressive design-build effort. Coordinated with utility providers to support the development of a 12.0 MGD advanced water treatment facility, expandable to 16.0 MGD, along with associated infrastructure upgrades. Managed utility coordination for groundwater supply wells, 18,000 linear feet of raw water transmission mains, and raw water yard piping while ensuring compliance with permitting and regulatory requirements. Assisted in site and utility development, including stormwater management systems, paving, and grading, as well as planning for supporting infrastructure such as administrative buildings and maintenance shops. Provided technical support for environmental site assessments, permitting approvals, and the mitigation of potential utility conflicts, ensuring seamless integration of existing and new infrastructure. *Location: Riviera Beach, FL. Dates: 2022 - Ongoing. HBC Fee: \$ 2.1 M. Reference: Steven V. Lynk, P.E., BCEE, DBIA, (512) 346-1100, lynksv@cdmsmith.com.*

Julia Beliz, EI

GIS Analyst

Julia has extensive experience in GIS, Python programming, and permitting, for infrastructure projects, with a focus on treatment plants and pump stations. At HBC, she leads sediment loss modeling for the Carraízo Sediment Control Project and has contributed to the design and permitting of the Camuy-Hatillo WWTP, mapping force mains and protecting habitats. She has also supported the City of Riviera Beach Water Treatment Plant through site assessments and technical memorandums. Additionally, Julia's work with Miami-Dade County (MDC) Water and Sewer Department (WASD) and Puerto Rico Aqueduct and Sewer Authority (PRASA) involved GIS-based capacity assessments and planning for future growth in water systems. Her expertise extends to drainage, transportation, and wastewater collection systems, as well as utility coordination. Currently, Julia is developing a GIS model for soil loss in the Lake Loiza watershed of Puerto Rico, further solidifying her key role in infrastructure development.

Miami-Dade County Water and Sewer Department (MDC-WASD), Master Plan for South Corridor. Julia provided valuable assistance in performing a capacity assessment of the Miami-Dade County Water and Sewer Department's (MDC-WASD's) existing South Corridor water distribution and sewer collection system to accommodate future growth in the Corridor. She also reviewed planned developments in the Bus Rapid Transit (BRT) Zones, assessing the existing system, while accommodating the addition of future developments in the BRT service areas. Julia created GIS exhibits displaying BRT Station service areas and the zoning of each parcel. Additionally, she created a table illustrating current and future demand and flow estimates and projections. These contributions demonstrate Julia's proficiency in GIS analysis and her ability to work collaboratively on complex projects. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Reference: Lawrence Young, ENV SP, (305) 444-4691, lawrence.young@aecom.com.*

City of Riviera Beach, City of Riviera Beach Water Treatment Plant. Julia conducted a thorough site visit to collect information on existing conditions, providing valuable insights for the proposed alternatives of the planned Water Treatment Plant. She also authored a comprehensive Technical Memorandum detailing the proposed alternatives. Julia's expertise in site assessment and technical writing showcases her ability to contribute to the planning and implementation of large-scale projects. This project involves design development using Civil 3D and e-Builder and data transfer to AutoCAD using ArcGIS. *Location: Riviera Beach, FL. Dates: 2023–Ongoing. Reference: Humberto Gomez, PE, (305) 640-7390, humberto.gomez@dot.state.fl.us.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), El Yunque (Las Picúas) Wastewater Treatment Plant (WWTP) Elimination. GIS & PER Engineer for the design of two new sanitary pump stations and force mains. The project also involved the decommissioning of the existing WWTP and the integration of new infrastructure, including stormwater management and utility assessments. HBC performed detailed demolition plans, site



3 Years of Experience

Years with HBC
3 years

Education
B.S. in Environmental Engineering, University of Miami (12/16/2022)

Registration(s)
EI (FL) No. 1100026797 (06/21/2023)

Licenses & Certifications
AutoCAD

ArcGIS Pro

Expertise
GIS analysis, environmental engineering, water and wastewater infrastructure, permitting, drainage systems, transportation infrastructure, sediment control, utility coordination, site assessment, stormwater management, infrastructure planning.

Julia Beliz, EI

grading, and capacity analysis of existing systems to ensure smooth transition and compliance. *Location: Rio Grande, Puerto Rico, FL. Dates: Ongoing. Reference: Adamaris J. Quiñones, PE, Program Manager.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Carraízo Sediment Control. As an Engineer Technician, Julia is currently leading the development of a GIS model for sedimentation loss modeling. Her efforts are concentrated on using the Revised Uniform Soil Loss Equation (RUSLE) in GIS to demonstrate how parameters, such as rainfall, ground cover, and soil type affect erosion in the Lago Carraízo watershed. Julia collaborated with Hazen and Sawyer, P.C. and CSA Group to develop a Preliminary Engineering Report (PER) and exhibits for the 50% workshop meeting that took place in Puerto Rico. The scope of work for the sediment control at Lago Carraízo in Puerto Rico is a crucial component of an environmental restoration project aimed at mitigating the impact of sedimentation on the lake's water quality. The project involves implementing measures to minimize sediment runoff from the surrounding landscape and improving the quality of the water flowing into the lake. *Location: Carraízo, Puerto Rico. Dates: 2022–Ongoing. Reference: Hans Figueroa, PE, (787) 641-6800, figueroahx@csagroup.com.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Change Order for Camuy-Hatillo WWTP. As an Engineering Technician, Julia provided assistance in developing presentation graphics for a project that involved discontinuing the existing Camuy-Hatillo Wastewater Treatment Plant (WWTP) and transferring incoming flows to an existing WWTP further east. Two alternatives were proposed to connect to existing force mains, and Julia utilized Google Earth Pro to delineate the proposed changes to the existing force mains and gravity sewers. She also created maps, using GIS data, to highlight areas of importance, such as wetlands and protected habitats near the alternative routes. Julia's proficiency in GIS analysis and graphic design enabled her to effectively communicate important project details to stakeholders. *Location: Camuy, Puerto Rico. Dates: 2022–Ongoing. Reference: Humberto Gomez, PE, (305) 640-7390, humberto.gomez@dot.state.fl.us.*

Puerto Rico Aqueduct and Sewer Authority (PRASA), Improvement to Sanitary Trunk Sewer Van Scoy. Yard Piping Engineer for the survey, topography, and Subsurface Utility Engineering (SUE) services for the Improvement to Sanitary Trunk Sewer Van Scoy project. The scope included conflict detection, soft digs, and flow measurement studies to address capacity limitations in the Bayamon Municipality. HBC prepared design reports, drawings, cost estimates, and managed permits to ensure compliance with local regulations. *Location: Puerto Rico, FL. Dates: 04/2024 - Ongoing. Reference: Ramon Ortiz, (787) 781-9050, Ramon.Ortiz-Morgado@jacobs.com.*

Joseph Williams

Cost Estimates | Risk Management | Claims Analysis

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

***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 oversight 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 oversight 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.*

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**

Melannie Gomez

Public Involvement

Melannie specializes in public involvement, community engagement, and strategic communications for engineering and infrastructure projects. She has supported municipalities such as the City of Hollywood and Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), facilitating public outreach initiatives and stakeholder coordination. Her expertise includes media relations, event planning, and multilingual communication, ensuring seamless dissemination of project information. Proficient in QuickBooks, Microsoft Office Suite, and social media management tools. Passionate about fostering meaningful connections between communities and infrastructure development.

City of Fort Lauderdale, Riverwalk North Seawall Replacement

Project. As the Public Information Officer, Melannie has played a key role in public outreach and communication efforts for infrastructure projects, including the Riverwalk North Seawall Replacement Project for the City of Fort Lauderdale. This project involves replacing the existing seawall, installing new docks, relocating utilities, and ensuring compliance with engineering and environmental standards. Melannie has facilitated stakeholder engagement, prepared public notices, and managed project-related communications to keep the community informed. *Location: City of Fort Lauderdale, FL. Dates: 2023-Ongoing. Reference: Ana Ziegler, EE/PM II, (954) 828-5817, aziegler@fortlauderdale.gov*

City of Hollywood, Johnson St Complete Streets Feasibility Study. This project involves performing a feasibility study to create complete streets alternatives for Johnson Street from North 30th Road to North Dixie Highway. Melannie is responsible for coordinating public involvement meetings for the City of Hollywood, regarding potential alternatives designed for the Johnson Street corridor. Melannie is also responsible for setting up login sheets, creating fact sheets, collecting data, and interacting with current local residents and business owners, concerning their input and opinions of the development of a safe Complete Streets corridor. Melannie is also responsible for participating in the development of different voting options for both online and present audiences, allowing residents and business owners to cast their votes and comment on the distinct alternatives being presented. She is also responsible for finalizing the report on the public involvement meeting, containing key points of the presentation for the City of Hollywood and its local residents and business owners to use. *Location: Hollywood, FL. Dates: 4/2023-Ongoing. Contract No.: HOLL-038. HBC Fee: \$150K. Reference: Luis Lopes, PE, (954) 921-3410, llopez@hollywoodfl.org.*

Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build. This project involves the reconstruction of 1 mile of an existing 2-lane road to expand it into a 4-lane road with Two-Way Left-Turn Lane (TWLTL), where Right-of-Way is available. The design



3 Years of Experience

Years with HBC

2 year

Education

B.A. in Public Relations & Administration, Florida International University (12/17/2022)

Licenses & Certifications

QuickBooks Desktop

Microsoft Excel, Word, & PowerPoint

Google Sheets

Outlook & Teams

Monday.com

Fluent in Spanish and English

Expertise

Public involvement, community engagement, media relations, strategic communications, outreach planning, stakeholder coordination, event planning, marketing, public relations, multilingual communication.

Languages

English and Spanish

***Prior to HBC**

Melannie Gomez

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. Melannie is responsible for sorting, stuffing, and preparing letters informing project stakeholders, selected from a mass mailing list, about the proposed project construction and tree removal information, and creating the address labels for this mass mailing. *Location: Miami, FL. Dates: 8/2022-Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: \$7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

***Private CPA Firm, Marketing Specialist.**

- Provided customer service to over 1,000 national and international clients.
- Built strong client relationships by conducting surveys that successfully gathered client feedback for the firm to act upon
- Organized and facilitated internal and external meetings that brought awareness of private and governmental changes affecting the firm's clients.
- Collaborated with different departments within the firm to brainstorm and develop different policies that benefited clients.

Worked with the Marketing Team to perform quarterly SWOT (Strengths, Weaknesses, Opportunities, and Threats) analyses to enhance client services.

Location: Miami, FL. Dates: 5/2021– 6/2023. Reference: Domingo Alonso CPA, CVA, CGMA, (305) 448-3898, Dalonso@cricpa.org.

***King Jesus Ministry, Media Outreach Assistant.**

- Planned various community outreach events to engage the public.
- Coordinated meetings with different non-profit organizations that provided specific services to the community.
- Managed and organized incoming funds.
- Planned special presentations with the goal of bringing communities together.
- Brought awareness to the needs of the community by conducting surveys and enacting other outreach initiatives.
- Managed the social media accounts of the organization.
- Worked with the Marketing Team to produce the organization's website and online initiatives.
- Managed event budgets effectively to provide cost savings.
- Worked closely with event photographers, video editors, and the Production Team to capture the memories associated with each event.

Location: Miami, FL. Dates: 8/2018–3/2019. Reference: Mabel Lora, COO, (786) 975-7015, Mabellora@elreyjesus.org.



Frank Paruas. PSM

Design, Right of Way & Construction Surveying

Professional Profile

Frank possesses a wealth of expertise in surveying and mapping, accumulating an impressive 24 years of experience within the South Florida region. He has assumed the critical role of Project Surveyor/Manager for numerous contracts, catering to esteemed public and private clients. Notably, his services have been sought by public works departments, diverse municipalities, and the Florida Department of Transportation (FDOT). Frank efficiently manages and supports a fully equipped geomatics and remote sensing group, which encompasses multiple field crews based in GPI Geospatial's Miami, Florida office. Furthermore, he showcases proficiency in the preparation of 3D survey files, skillfully combining terrestrial mobile and static scanning techniques with aerial lidar and imagery. Additionally, Frank is well-versed in subsurface utility engineering (SUE), further enhancing his repertoire of capabilities.

EDUCATION

BS / Mechanical Engineering / Oriente
University Cuba / 1997

CERTIFICATIONS:

Professional Surveyor & Mapper #LS6625/ FL

YEARS WITH FIRM

5

TOTAL YEARS EXPERIENCE

24

PROFESSIONAL AFFILIATIONS:

Florida Surveying and Mapping Society (FSMS) / Central Florida and South Florida, Member

National Society of Professional Surveyors (NSPS), Member

Project Experience

Continuing Services for Survey Mapping and SUE, FPID 429258-5. 2020-Present. Broward, Palm Beach, Martin, Indian River, and St. Lucie Counties, FL. Survey Project Manager. GPI Geospatial provides miscellaneous surveying and mapping services under this multi-task, multi-year contract with District 4 which requires the consultant to manage their team and subconsultants to perform all types of survey work, including right-of-way mapping, right-of-way control survey, parcel stakeout, control surveys, recovery of historical baseline of survey, right-of-way lines, subsurface utility engineering (SUE), aerial survey, drainage survey, and 3D surveys using traditional survey methods or any form of lidar (remote sensing) to collect topographic features. GPI Geospatial has successfully completed 80 task work orders under this contract. **Client: Florida Department of Transportation-District 4**

3D Design Survey for SR 9 (I-95) from South of Linton Road to 6th Ave South, Palm Beach County, FPID 444202-1. 2022-2024. Survey Project Manager. GPI Geospatial performed a complete 3D survey for this 12.5-mile highway corridor in Palm Beach County. The scope included, primary and secondary control survey, a complete 3D design survey from right-of-way to right-of-way with a completed investigation of more than 500 drainage structures performed by Bowman and Ritzel-Mason as part of the GPI Geospatial team. GPI Geospatial was also responsible of recovering the Historical Baseline of Survey and the determination of right-of-way lines for the entire corridor, including the CSX corridor. The 3D survey was collected using terrestrial mobile lidar (TML). GPI Geospatial responsibilities included managing the entire project, as well as coordinating fieldwork and overseeing the final submittals to the District. **Client: Florida Department of Transportation-District 4**

3D Design Survey for SR 710/(Beeline Highway) from ±1,600LF Southeast of SR 714 to FPL Plant Access Road. Martin County, FL. FPID 453333-2. May 2024-Present. Survey Project Manager. GPI Geospatial is part of this effort multi-team effort to perform a complete reconstruction of this 10 miles corridor. The effort includes multiple survey consultants, that are surveying up to approximate an area 350' wide that extends into private properties. CTS is performing ground control and obscured areas, while KEITH is working on the right-of-way component for this project. GPI Geospatial is collecting this project using aerial lidar. The use of aerial lidar allows our team to collect 3D features along the strip of land 10 miles long that could extend up to 400LF from



FDOT right-of-way without impacting residents and expending the 3D submittal. In addition, GPI Geospatial is performing secondary control, which for this project, required to set aerial targets in private property. GPI Geospatial will be tasked with merging all the obscured and wetland areas and to prepare and submit the final SURVRD file. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for SR 710 (Warfield Highway) at CR 714 Relocation Project, in Martin and Okeechobee County, FL. FPID 447555-1 & 2. May 2024-Present. Survey Project Manager. GPI Geospatial provided a complete design survey for this project in Martin and Okeechobee County farm areas. The Design Survey was performed with the purpose of redesigning CR 714 at its intersection with SR 710 and will require the acquisition of several parcels as FEE-Simple, Permanent, and Temporary Easements. The 3D Survey was completed using Aerial Lidar and Imagery and included the existing developed SR 710 and CR 714 paved areas and portions of private parcels, adjacent to the road. The use of Aerial Lidar allowed our team to collect 3D features in some areas up to 1,000 LF outside of FDOT RW without impacting residents. GPI Geospatial established Primary and Secondary Control and recovered the Historical Baseline of the Survey and right-of-way lines. A completed drainage investigation was also part of the scope. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for SMA Replacement at Ten (10) Intersections. Broward County, FL. FPID 451576-2. 2024-Present. Survey Project Manager. GPI Geospatial provided primary and secondary control for the 3D survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, we calibrated the point cloud to secondary control and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. Furthermore, we recovered the Historical Baseline of Survey and right-of-way lines. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for Survey for SMA Replacement at 16 Intersections. Palm Beach County, FL. FPID 451579-2. 2024-Present. Survey Project Manager. GPI Geospatial provided primary and secondary control for the 3D Survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, calibrated the point cloud to secondary control, and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. Furthermore, we recovered the Historical Baseline of Survey and right-of-way lines. **Client: Florida Department of Transportation-District 4.**

3D Design Survey for Survey for SR93 (I-75/Alligator Alley) from Toll Plaza to Broward/Collier County Line, Broward County, FL. FPID 444122-1. 2021-2023. Survey Project Manager. GPI Geospatial provided ground control for this ±26-miles corridor for FDOT District 4. GPI Geospatial has set primary and secondary (aerial targets) control points along the entire corridor and performed static GPS observations at 70 BLC points. In addition, GPI Geospatial prepared a project network control sheet and updated the right-of-way file for the entire project. **Client: Florida Department of Transportation-District 4.**

Right-of-Way Map for CR812 (Lantana Road) from West of Lake Osborne Drive to East of Andrew Redding Road, Section 93530-2525. Palm Beach County, FL. 2022-June 2023. FPID 4132581 (R4132581). Survey Project Manager. The map included obtaining six FEE simple parcels and 12 temporary construction easements into seven groups (701-707). We also compiled six legal descriptions for the parcels and seven legal descriptions for the easements. This right-of-way map included the determination of existing limited access right-of-way lines along SR9 (I-95) by reviewing existing control survey and comparing to historical maps, as well as reviewing and plotting parcels, easements, and right-of-way lines as shown in the provided title search documentation for each of the parent tracts impacted by acquisitions of right-of-way of temporary easements. The title search documents were carefully reviewed; each of the encumbrances, easements, and/or right-of-way documents was commented as to whether the parcel was affected by it and if the document was plottable or not. Once all documents and maps were reviewed and plotted and the proposed lines were received from the engineer parcels, takings and easements were then created mathematically into Geopak coordinate geometry software. Closures were run for compliance and finally all parcels, takings and easements were plotted using the design and computation manager to ensure proper text size, style and levels were used and in compliance with FDOT District 4 standards, and all text size and fonts were consistent throughout the entire map. **Client: Florida Department of Transportation-District 4.**



Saul Brand, PSM

Design, Right of Way & Construction Surveying

Professional Profile

Mr. Brand has 24 years of experience in surveying and mapping, with over nine years in Florida across both field and office roles. He has worked on various FDOT survey projects, including static laser scanning, traditional ground surveys, construction staking/layout, geodetic control, right-of-way, boundary, and topographic surveys. In office settings, he conducts boundary analysis, generates right-of-way maps, and performs parcel calculations. He is proficient in CADD, especially OpenRoads Designer (MicroStation) for 3D design surveys, and adept in processing static laser scans using Riegl RiSCAN PRO, Leica Cyclone, and TopoDOT. Notably, he has modeled over 150 bridges on SR826, I-95, and I-75, overseeing quality control and finalization for multiple state road 3D design surveys.

PROPOSED PROJECT ROLE

Project Manager

EDUCATION

BS/Science in Tourism Management/Nueva Esparta University, Venezuela/2012

Certificate/Geomatics University of Florida/2023

CERTIFICATIONS:

Professional Surveyor & Mapper #LS7614/FL

YEARS WITH FIRM

5

TOTAL YEARS EXPERIENCE

24

PROFESSIONAL AFFILIATIONS:

Florida Surveying and Mapping Society (FSMS), Member

National Society of Professional Surveyors (NSPS), Member

Project Experience

Continuing Services for Survey Mapping and Subsurface Utility Engineering. FPID 429258-5. 2020-Present. Broward, Palm Beach, Martin, Indian River, and St. Lucie Counties, FL. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provides miscellaneous surveying and mapping services under this multi-task, multi-year services contract with FDOT District 4, which requires the consultant to manage their team and a team of subconsultants to perform all types of survey work. Anything from right-of-way mapping, right-of-way control survey, parcel stakeout, control survey, recovery of historical baseline of survey, right-of-way lines, subsurface utility engineering (SUE), aerial survey, drainage survey, and 3D surveys while using traditional survey methods or any form of lidar (remote sensing) to collect topographic features. GPI Geospatial has completed 80 task work orders under this contract. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SR9 (I-95) from South of Linton Road to 6th Ave. South, Palm Beach County. FPID 444202-1. 2022-2024. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial performed a complete 3D survey for this 12.5-mile highway corridor in Palm Beach County. The scope included primary and secondary control surveys, a complete 3D design survey from right-of-way to right-of-way, and a completed investigation of more than 500 drainage structures performed by Bowman and Ritzel-Mason as part of the GPI Geospatial team. We were also responsible for recovering the historical baseline of survey and the determination of right-of-way lines for the entire corridor, including the CSX corridor. The 3D survey was collected using terrestrial mobile lidar (TML). GPI Geospatial responsibilities included managing the entire project, coordinating fieldwork, and overseeing the final submittals to the District. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SR710/Beeline Highway from ±1,600 Linear Feet Southeast of SR714 to Florida Power and Light Plant Access Road. Martin County, FL. FPID 453333-2. May 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial is part of this multi-team effort to completely reconstruct this 10-mile corridor. The effort includes multiple survey consultants surveying an area approximately 350' wide and extending into private properties. CTS is performing ground control and obscured areas, while KEITH is working on the right-of-way component for this project. GPI Geospatial is collecting this project using aerial lidar. Using aerial lidar allows our team to collect 3D features along the 10-mile strip of land that could extend up to 400 linear feet from FDOT right-of-way without impacting residents and expanding the 3D submittal. In addition, GPI Geospatial is performing secondary control, which is required to set aerial targets on private property for this project. GPI Geospatial will merge all the obscured and wetland areas and prepare and submit the final SURVRD file. **Client: Florida Department of Transportation - District 4**



3D Design Survey for SR710 (Warfield Highway) at CR714 Relocation Project, in Martin and Okeechobee Counties, FL. FPID 447555-1 and 2. May 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided a complete design survey for this project in Martin and Okeechobee County farm areas. The design survey was performed with the purpose of redesigning CR 714 at its intersection with SR 710 and will require the acquisition of several parcels as FEE-simple, permanent, and temporary easements. The 3D survey was completed using aerial lidar and imagery, included the existing developed SR 710 and CR 714 paved areas, and portions of private parcels adjacent to the road. Using aerial lidar allowed our team to collect 3D features in some areas up to 1,000 linear feet outside of FDOT right-of-way without impacting residents. GPI Geospatial established primary control, secondary control, and recovered the historical baseline of survey and the right-of-way lines. A completed drainage investigation was also part of the scope. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SMA Replacement at 10 Intersections. Broward County, FL. FPID 451576-2. 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided primary and secondary control for the 3D survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, calibrated the point cloud to secondary control, and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. We also recovered the historical baseline of survey and right-of-way lines. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SMA Replacement at 16 Intersections. Palm Beach County, FL. FPID 451579-2. 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided primary and secondary control for the 3D survey of these intersections in Broward County. GPI Geospatial used static scanning to collect the topographic portion of the scope, calibrated the point cloud to secondary control, and used it to extract the 3D features for the intersections. Additionally, we designated all the underground utilities by using GPR and other electromagnetic methods. Lastly, we recovered the historical baseline of survey and right-of-way lines. **Client: Florida Department of Transportation - District 4**

3D Design Survey for SR93 (I-75/Alligator Alley) from Toll Plaza to Broward/Collier County Line. Broward County, FL. FPID 444122-1. 2021-2023. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided ground control for this ±26-mile corridor for FDOT District 4. GPI Geospatial has set primary and secondary (aerial targets) control points along the entire corridor and performed static GPS observations at 70 baseline control points. In addition, GPI Geospatial prepared a project network control sheet and updated the right-of-way file for the entire project. **Client: Florida Department of Transportation - District 4**

3D Design Survey for CR512 from West of SR9 (I-95) Ramps to West of 106th Avenue. Indian River County, FL. FPID 449332-1. 2024-Present. SUR Survey/SUE/GIS/Analyst 3. GPI Geospatial provided a complete 3D design survey for this intersection that extended from right-of-way to right-of-way and performed 3D survey using terrestrial mobile lidar. GPI Geospatial established primary and secondary control along the corridor, recovered the historical baseline of survey, and the right-of-way lines. A drainage survey was also part of this project. The SUE portion of the scope included the designation of underground utilities within the project's limits and performing vacuum excavation test holes (VVHs) to verify the horizontal and vertical location of utilities in conflict with the proposed improvements. **Client: Florida Department of Transportation - District 4**



KENNETH HARDIN

Cultural Resource Assessment Survey (CRAS)

EDUCATION

- M.A. 1983 University of South Florida (Cultural Resource Management)
- B.A. 1975 Duke University (Psychology and South Asian Studies)

PROFESSIONAL AFFILIATIONS

- Register of Professional Archaeologists
- Florida Archaeological Council (President 1988 - 1990)
- Florida Trust for Historic Preservation (Trustee 2005 - 2011)
- American Cultural Resource Association (Founding member)
- Court Certified Expert Witness
- Meets the Secretary of the Interior's Professional Qualifications Standards
- 45 Years of Experience

PROFESSIONAL EXPERIENCE

Mr. Hardin, the President and CEO of Janus Research, serves at the Project Manager of all District Four projects. In his 44 years of experience, Mr. Hardin has played a key role in the development of statewide policies, procedures, and preservation law, having assisted the Florida Department of Transportation with their Cultural Resource Management Handbook, updates of the PD& E Manual, Section 106 and 4(f) training, and the implementation of ETDM, sociocultural effects analysis, and Native American coordination. He is a leading authority in Section 106, NEPA cultural resource compliance, and Section 4(f) for transportation projects. He has an in-depth understanding of the challenges posed by federal laws, regulations, and guidelines and knows how to successfully negotiate the complex process of State Historic Preservation Office (SHPO) and regulatory approval. He excels at developing creative mitigation strategies with little or no impact to construction schedules and has long-standing relationships with the Florida State Historic Preservation Officer, the US Army Corps of Engineers, the Florida Department of Environmental Protection, the Coast Guard, Federal Highway Administration, Federal Transit Administration, Federal Rail Administration, the Advisory Council for Historic Preservation, and the National Park Service as well as preservation officers of local government in east and south Florida. Mr. Hardin is a court certified expert witness in the field of archaeology and cultural resource management.

RELEVANT PROJECTS

State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study in both Martin and St. Lucie Counties, Florida - This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 (*Protection of Historic Properties*, effective January 2001) and the Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the *FDOT Project Development and Environment Manual*. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.

State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808) in Broward and Palm Beach Counties, Florida - The cultural resource assessment survey (CRAS) complies with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 (*Protection of Historic Properties*), Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the *FDOT PD&E Manual*. No newly or previously recorded archaeological sites were identified within the archaeological APE and a reconnaissance survey confirmed that much of the APE has been altered by berming and ditching and the construction

of the roadway. The historic resources survey resulted in the identification of one historic railroad and six historic canals. Of these, the Florida East Coast (FEC) Railway and the Hillsborough Canal were evaluated as eligible for listing in the National Register of Historic Places (NRHP). A reconnaissance survey was also undertaken to identify any significant historic resources outside the APE. This resulted in the identification of one previously recorded NRHP-eligible resource, the Seaboard Air Line (CSX) Railroad. Because all improvements are being constructed within the existing FDOT ROW, no impacts to historic resources are anticipated.

SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649), was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.

Interstate 95 (I-95) / State Road 9 (SR 9) Project Development and Environment Study from South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820), Broward County, Florida - This Cultural Resources Assessment Survey (CRAS) resulted in the identification of no newly or previously recorded archaeological sites and a total of 192 historic resources. Two previously recorded resources within the project APE were determined National Register-eligible: the Hollywood Seaboard Air Line Railway Station (8BD163) located at 3001 Hollywood Boulevard and portions of the Seaboard Air Line (CSX) Railroad (8BD4649/8DA10753). Updated FMSF forms were completed for these two resources. Additionally, the historic resource survey identified five resource groups: Orangebrook Golf Course (8BD6682), Sunset Gold (8BD6681), Silver Hill Jackson Condominium (8BD6680), Town Colony Condominium (8BD6679) and Holiday Park Mobile Estates (8BD6678). These historic resources groups were all considered National Register-ineligible. Finally, of the 183 historic buildings newly recorded during this survey, only one, Stratford's was considered National-Register eligible under Criterion C in the area of Architecture.

SR-9/I-95 @ SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 52 historic resources. The identified historic resources include one cemetery (North Woodlawn Cemetery-8BD4879), two resource groups (Seaboard Air Line [CSX] Railroad-8BD4649 and the Salvation Army Complex-8BD6346), and 49 buildings (8BD1452 and 8BD6298-8BD6344). Four of the historic resources were previously recorded (8BD1452, 8BD3414, 8BD4649, and 8BD4879), and 48 were newly recorded (8BD6298-8BD6344 and 8BD6347). Three historic resources, Seaboard Airline Railroad Station at 200 SW 21st Terrace (8BD1452), Seaboard Air Line (CSX) Railroad (8BD4649), and North Woodlawn Cemetery (8BD4879), were previously determined National Register-eligible by the SHPO. All other historic resources located within the current APE were considered individually ineligible for inclusion in the National Register. After the CRAS was accepted by the SHPO, a Case Study was completed for the three National Register-eligible resources. Based upon the Section 106 process, potential effects that the proposed project improvements may have on the identified National Register-eligible and -listed historic resources were evaluated. In consideration of available project information, the proposed project was evaluated as having no adverse effect on the Seaboard Air Line (CSX) Railroad (8BD4649) and North Woodlawn Cemetery (8BD4879). No adverse effect to the Seaboard Airline Railroad Station (8BD1452) was anticipated, but further consultation with SHPO may take place in order to ensure the design of the proposed canopy structure there will be sensitive to the historic station building.

SR 836/I-395 Project Development & Environment (PD&E) Study, Miami-Dade County, Florida - This project required a fast turnaround and involved the reevaluation of several PD&E commitments regarding the National Register-eligible Grove Park Historic District. The historic resources survey which identified 257 historic resources within the APE, 92 of which were newly identified and documented in the FMSF. The numerous significant resources required further effects documentation, and Janus Research also assisted with the NEPA Reevaluation document.



JAMES PEPE

Cultural Resource Assessment Survey (CRAS)

EDUCATION

- M.A. 1999 Florida Atlantic University (Anthropology)
- B.A. 1991 University of Florida (English)
- A.A. 1988 Palm Beach Junior College

PROFESSIONAL AFFILIATIONS

- Register of Professional Archaeologists
- Florida Archaeological Council
- 33 Years of Experience

PROFESSIONAL EXPERIENCE

Mr. Pepe has over 32 years of Cultural Resource Management experience in South Florida, working on projects ranging from the Archaic period to post-World War II sites. He has a comprehensive understanding of the Section 106 process and Chapter 267, *Florida Statutes*. He served as the Project Archaeologist on several PD&E and NEPA projects in South Florida. Mr. Pepe is intimately familiar with the unique environment and archaeological record of South Florida and the methods required to adequately identify and evaluate archaeological sites there. He has led several large-scale surveys in the interior wetlands of South Florida, including surveys for Palm Beach, Martin, and St. Lucie counties, the South Florida Water Management District, the Seminole Tribe of Florida, and the Miccosukee Tribe of Indians of Florida. Each of these surveys required a thorough knowledge of local drainage patterns and natural communities gained through the examination of resources such as modern and historic aerial photographs. Mr. Pepe also successfully completed the National Historic Landmark nomination for Fort King, the only Seminole War period fort in Florida to be landmarked by the Department of the Interior.

RELEVANT PROJECTS

State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study in both Martin and St. Lucie Counties, Florida - This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 (*Protection of Historic Properties*, effective January 2001) and the Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the *FDOT Project Development and Environment Manual*. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.

State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808) in Broward and Palm Beach Counties, Florida - The cultural resource assessment survey (CRAS) complies with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 (*Protection of Historic Properties*), Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the *FDOT PD&E Manual*. No newly or previously recorded archaeological sites were identified within the archaeological APE and a reconnaissance survey confirmed that much of the APE has been altered by berming and ditching and the construction of the roadway. The historic resources survey resulted in the identification of one historic railroad and six historic canals. Of these, the Florida East Coast (FEC) Railway and the Hillsborough Canal were evaluated as eligible for listing in the National Register of Historic Places (NRHP). A reconnaissance survey was also undertaken to identify any significant historic resources outside the APE. This resulted in the identification of one previously recorded NRHP-eligible resource, the Seaboard Air Line (CSX) Railroad. Because all improvements are being constructed within the existing FDOT ROW, no impacts to historic resources are anticipated.

SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649), was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.

Interstate 95 (I-95) / State Road 9 (SR 9) Project Development and Environment Study from South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820), Broward County, Florida - This Cultural Resources Assessment Survey (CRAS) resulted in the identification of no newly or previously recorded archaeological sites and a total of 192 historic resources. Two previously recorded resources within the project APE were determined National Register-eligible: the Hollywood Seaboard Air Line Railway Station (8BD163) located at 3001 Hollywood Boulevard and portions of the Seaboard Air Line (CSX) Railroad (8BD4649/8DA10753). Updated FMSF forms were completed for these two resources. Additionally, the historic resource survey identified five resource groups: Orangebrook Golf Course (8BD6682), Sunset Gold (8BD6681), Silver Hill Jackson Condominium (8BD6680), Town Colony Condominium (8BD6679) and Holiday Park Mobile Estates (8BD6678). These historic resources groups were all considered National Register-ineligible. Finally, of the 183 historic buildings newly recorded during this survey, only one, Stratford's was considered National-Register eligible under Criterion C in the area of Architecture.

SR-9/I-95 @ SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida - The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 52 historic resources. The identified historic resources include one cemetery (North Woodlawn Cemetery-8BD4879), two resource groups (Seaboard Air Line [CSX] Railroad-8BD4649 and the Salvation Army Complex-8BD6346), and 49 buildings (8BD1452 and 8BD6298-8BD6344). Four of the historic resources were previously recorded (8BD1452, 8BD3414, 8BD4649, and 8BD4879), and 48 were newly recorded (8BD6298-8BD6344 and 8BD6347). Three historic resources, Seaboard Airline Railroad Station at 200 SW 21st Terrace (8BD1452), Seaboard Air Line (CSX) Railroad (8BD4649), and North Woodlawn Cemetery (8BD4879), were previously determined National Register-eligible by the SHPO. All other historic resources located within the current APE were considered individually ineligible for inclusion in the National Register. After the CRAS was accepted by the SHPO, a Case Study was completed for the three National Register-eligible resources. Based upon the Section 106 process, potential effects that the proposed project improvements may have on the identified National Register-eligible and -listed historic resources were evaluated. In consideration of available project information, the proposed project was evaluated as having no adverse effect on the Seaboard Air Line (CSX) Railroad (8BD4649) and North Woodlawn Cemetery (8BD4879). No adverse effect to the Seaboard Airline Railroad Station (8BD1452) was anticipated, but further consultation with SHPO may take place in order to ensure the design of the proposed canopy structure there will be sensitive to the historic station building.

MDX SR 836/Dolphin Expressway Southwest Extension Project Development & Environment Study, Miami-Dade County, Florida - Mr. Pepe led all aspects of this multi-year project. This work involved the management of multiple crews and many different proposed design changes. For this project, Mr. Pepe also obtained 1A-32, Right-of-Entry and Special Use permits from the Florida Bureau of Archaeological Research, Florida Department of Environmental Protection, the South Florida Water Management District, and Florida International University. Mr. Pepe oversaw all background research, including the development of zones of archaeological probability, all fieldwork, analysis, evaluations of National Register eligibility, and report preparation for the project. He frequently coordinated with project engineers to aid them with project designs that minimize effects to archaeological sites within the study area. During the project, Mr. Pepe also helped to represent the Miami-Dade Expressway Authority during meetings with the U.S. Army Corps of Engineers.



AMY STREELMAN

Cultural Resource Assessment Survey (CRAS)

EDUCATION

M.H.P. 1998 University of Georgia (Historic Preservation)

B.A. 1993 Florida State University (English)

PROFESSIONAL AFFILIATIONS

- Florida Trust for Historic Preservation
- National Trust for Historic Preservation
- 27 Years of Experience

PROFESSIONAL EXPERIENCE

Ms. Streelman has documented and evaluated thousands of historic resources found throughout Florida, with specific emphasis on resources in the South Florida region. Her expertise resulted in the development of project methodologies and approaches meant to address the region's unique challenges and architectural characteristics. She has over 24 years of experience with CRM in Florida and has advanced knowledge of Section 106, 36 CFR 800, Section 4(f), Chapter 267 F.S., and other federal and state laws and regulations as well as the National Register of Historic Places criteria of eligibility. She has extensive experience identifying and assessing the unique historic resources of the South Florida area, from the ornate Mediterranean Revival homes of Coral Gables, to the simple vernacular buildings found in the Florida Keys, to canals, roadways, and railroad corridors. Ms. Streelman has prepared over 300 Cultural Resource Assessment Survey (CRAS) documents that have been approved by all regulatory agencies and the State Historic Preservation Officer (SHPO). She has prepared numerous reports for projects involving NRHP-listed or NRHP-eligible resources such as bridges, historic districts, and roadways.

RELEVANT PROJECTS

State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study in both Martin and St. Lucie Counties, Florida - This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 (*Protection of Historic Properties*, effective January 2001) and the Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the *FDOT Project Development and Environment Manual*. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.

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Cultural Resource Assessment Survey of Ludlam Trail, Miami-Dade County, Florida - This project was a new 5.6-mile multi-use publicly-accessible paved trail within the former Florida East Coast (FEC) Railroad corridor serving bicyclists, pedestrians, and users of other types of non-motorized vehicles. Ludlam Trail consists of a 12-foot-wide bike path and an 8-foot-wide pedestrian path with an adjacent 2-foot soft natural surface, separated in areas by a 14-foot grassed buffer. Two historic wooden rail bridges over the C-3 and the C-4 canals were replaced by new clear span bridges. Janus Research worked with AECOM and the County to prepare HAER documentation for the significant bridges and railroad, as the National Register resources were being removed as part of the trail construction. Janus Research also prepared text for the state historic marker that was placed in proximity to the historic resources that were removed.



Todd Mohler, RLA, ISA, IA

Landscaping Analysis Lead

31 YEARS

TOTAL EXPERIENCE

CERTIFICATIONS & REGISTRATIONS

RLA / FL / LA0001594 / Exp - 11/30/2025

RLA / GA / 1610 / Exp - 12/31/2024

RLA / SC / 1529 / Exp - 01/31/2025

IA Certified Irrigation Contractor / Exp - 12/31/2024

IA Certified Irrigation Designer / Exp - 12/31/2024

IA Certified Landscape Irrigation Auditor / Exp - 12/31/2024

IA Certified Golf Course Irrigation Auditor / Exp - 12/31/2024

ISA Certified Arborist / Exp - 06/30/2025

Rain Water Catch Sys Accredited Prof (RCS-AP) / Exp - 01/27/2017

Specifications Pkg Prep. Training for Consultants / renewed 9/21/2020

FL Water Star Accredited Prof. - Cert. (FWS- AP)2

LAP Design Criteria Specs. & Const Checklist Trng

EDUCATION

BLA Landscape Architecture / Clemson University / 1993

Mr. Mohler is an experienced landscape architect with a depth of knowledge developed over 30 years of professional experience. His project portfolio ranges broadly between public agencies and private development. He has specific project experience in parks, streetscapes, hospitality, PUDs, and commercial development. His professional services on projects frequently include initial data collection and observation, site analysis, concept and design development, and complete site, landscape, and irrigation design, including construction oversight and inspection services. For several years, Mr. Mohler has designed, tested, inspected, and managed central control irrigation systems. His thorough understanding of water, soils, and plants within the built environment afforded him decades of success in his consulting career within the private sector. Mr. Mohler's decades of experience include irrigation water management through advanced technologies like soil moisture sensing, weather stations, and computerized central control systems.

PROJECT EXPERIENCE

Florida Department of Transportation, I-75 North of Pines Boulevard to South of Griffin Road - Fort Lauderdale, FL. Senior Landscape Architect. The design concept Urban Swamp utilized a mostly native plant palette to enhance the aesthetic appearance of the corridor, which included a large interchange at Sheridan Street. The design also provided shade trees along sidewalks to improve the pedestrian experience. Mr. Mohler provided design services of an establishment irrigation system for this standalone landscape project.

City of Coconut Creek, Cougar Trail - Coconut Creek, FL. Senior Landscape Architect. KCI provided Landscape Post Design Services and inspection for this streetscape, including new landscape and irrigation. This project was a streetscape and beautification project located in the City of Coconut Creek. The project included an arborists tree inventory and evaluation of existing trees within the right of way and along the canal bank. Mr. Mohler provided a tree inventory and evaluation, landscape and irrigation design, and utility coordination.

Florida Department of Transportation, SR 5/ US 1/ Overseas Highway from Cow Key Bridge to Boca Chica Bridge (Stock Island) - Monroe County, FL. Senior Landscape Architect. This project was a 2-mile landscape beautification along the Florida Keys Scenic Highway Corridor and gateway to Key West. The project improves the aesthetics of the corridor for drivers and tourists, and the many users of the adjacent Florida Keys Overseas Heritage Trail. The project restores the natural character and habitat of this unique region by eradicating invasive plant species and installing thousands of shrubs and hundreds of trees that are native to this area.

City of Coconut Creek, Lyons Road - Coconut Creek, FL. Senior Landscape Architect. KCI developed the master plan for this seven-mile corridor enhancement project. This project included developing a unified landscape and hardscape treatment, gateway enhancements accenting major intersections, and realigning sidewalks. KCI also developed design and construction drawings for all phases of this project, which included median landscape, hardscape, and irrigation improvements. Mr. Mohler provided site analysis, streetscape design, and landscape and irrigation design for a two-mile roadway beautification project

Florida Department of Transportation District Six. SR A1A/Collins Avenue from North of Haulover Inlet to South of Bayview Drive. Miami Beach, FL. Senior Landscape Architect. This landscape component of the RRR project adjacent to Haulover Park consisted of landscape inventory and relocation plans for the new pathway along the beach.

Florida Department of Transportation, Andrews Avenue Streetscape - Broward County, FL. Senior Landscape Architect. KCI's involvement with the creation of Andrew's Avenue in Broward County began in 2001, with a PDE study followed by the design of Segments 1, 2, 3, and 5. Mr. Mohler provided site analysis, hardscape layout, maintenance agreements, and planting and irrigation design for this one-mile roadway project.

Florida Department of Transportation, SR A1A/Collins Avenue from North of Haulover Inlet to South of Bayview Drive - Miami Beach, FL. Landscape Architect. This landscape component of the RRR project adjacent to Haulover Park consisted of landscape inventory and relocation plans for the new pathway along the beach.

City of Coconut Creek, Lyons Road Medians/Atlantic Boulevard - Coconut Creek, FL. Senior Landscape Architect. KCI developed the Master Plan for this seven-mile Corridor Enhancement Project. This project included developing a unified landscape and hardscape treatment, gateway enhancements accenting major intersections, and realigning sidewalks. KCI also developed design and construction drawings for all five phases of this project, which included median landscape, hardscape, and irrigation improvements. This project, from Atlantic Blvd to Coconut Creek Parkway, was the final section of the master plan. It involved landscaping, hardscaping, irrigation, and obtaining permits through Broward County.

City of Boca Raton, Hillsboro El Rio (Work Order #3) - Boca Raton, FL. Project Manager. After input from surrounding neighbors and recommendations by the Parks and Recreation Board, a new site plan was created, offering a park that will be open from dawn to dusk and will include a walking and jogging path with a fitness station, a playground, one basketball court, four pickleball courts, one sand volleyball court, two tennis courts, picnic pavilions, a soft launch area for canoes and kayaks into the El Rio canal, and parking and restroom facilities.

SR 426/C 419 Widening from Pine Avenue to Avenue B. Oviedo, FL. Senior Landscape Architect. This landscape LAP project involves landscape, hardscape, and irrigation design. Mr. Mohler is directing the streetscape, landscape and irrigation design for the redevelopment of this downtown corridor to implement complete streets concepts and establish a traditional character.

Loxahatchee Environmental Engagement Campus - Jupiter, FL. Senior Project Manager. KCI provided master site planning services to the Loxahatchee River Environmental Control District (LRECD) for this 20-acre site. KCI performed site analysis and inventory, created concept designs and budgeting, and worked with LRECD to realize a master plan capturing their vision. The master plan for the Environmental Engagement Campus showcases the function of the LRECD within the unique local environment, including the Loxahatchee River, and the stewardship of which is the focus of LRECD's mission.

5th Street Metromover Station - Miami, FL. Senior Project Manager. KCI prepared design development drawings and is working on the construction documents related to implementing improvements to this park site in a dense urban area. KCI performed site analysis and inventory, created concept designs and budgeting, and worked with Miami Dade County Parks, Recreation and Open Spaces to realize their vision. The programmed elements include a nature-based playground (age range 2-5 and 5-12), hardscape improvements, site lighting, park site amenities (benches, trash cans, dog waste stations), walkway through the site, landscape improvements, irrigation system, entrance improvements, and fencing.

Hillsboro El Rio Park, Phase II - City of Boca Raton, FL. Senior Landscape Architect. KCI provided professional landscape architecture, engineering, survey, and environmental services to the City of Boca Raton for the design and site plan approval of a 17-acre park. The Park features include entry signage, a grand pavilion and restroom, large and small pavilions with grills, a fitness path, large passive recreation areas, a non-motorized boat launch, sport courts, a large playground, shade structures, and a fitness station. Due to the site's historical and past uses as a landfill, redevelopment required stormwater permitting through FDEP. ICPR Version 4 was used to model the master drainage system. Stormwater permitting submittals through FDEP were required, as was coordination with ACOE for wetland determination.



Kirk Hoosac, RLA

Senior Landscape Architect

20 YEARS
TOTAL EXPERIENCE

CERTIFICATIONS & REGISTRATIONS

RLA / FL / LA6667091 / Exp - 11/30/2025

EDUCATION

BLA Landscape Architecture / University of Florida / 2006

Mr. Hoosac has served as the Project Manager on 11 Landscape Architecture Districtwide/ Continuing Services contracts in five different FDOT districts, gaining a unique understanding of FDOTs key preferences and objectives. As the previous FDOT District Landscape Architect in District Six, Mr. Hoosac offers a wide range of experience in all phases of landscape architecture, including plan development, concept generation, cost estimating, site inventory, site and master planning, landscape and irrigation design, project specifications, construction observation, landscape inspection, and quality control. He has participated in various project types, such as planning and design for transportation, commercial, residential, and municipal projects. From dynamic presentations to disciplined project management, Mr. Hoosac brings a positive and proactive approach to his projects. His responsive, intuitive, and detail-oriented leadership traits will be passed down to our team as he leads KCI to deliver thorough landscape architecture projects that provide FDOT with a good foundation for setting funding and project priorities.

PROJECT EXPERIENCE

Florida Department of Transportation, SR 907/Alton Road from 5th Street to N Michigan Avenue - Miami Beach, FL. Project Manager. This 1.5-mile section of Alton Road is an active commercial corridor on Miami Beach; heavily traveled by locals and tourists either by foot, bicycle, or automobile. In addition to being a complete roadway reconstruction project, FDOT's scope also included highway beautification with landscape, hardscape, and irrigation plans. The landscape component of this complex \$35 million reconstruction project included expanded sidewalks, street trees with

special tree covers, landscape and drip irrigation design, city and business coordination, and construction inspection. Mr. Hoosac provided project management for this one mile stretch of Alton Road, requiring coordinated efforts with FDOT District 6 and the City of Miami Beach including phased/modular design to allow seamless future retrofits by residents.

City of Coconut Creek, Cougar Trail - Coconut Creek, FL. Project Manager. KCI provided Landscape Post Design Services and inspection for this streetscape including new landscape and irrigation. This project was a streetscape and beautification project located in the City of Coconut Creek. The project included an arborists tree inventory and evaluation of existing trees within the right of way and along the canal bank. Mr. Hoosac served as project manager for this streetscape and beautification project located in the City of Coconut Creek. The project included tree inventory and evaluation, landscape and irrigation design and utility coordination.

Florida Department of Transportation, SR 5/ US 1/ Overseas Highway from Cow Key Bridge to Boca Chica Bridge (Stock Island) - Monroe County, FL. Project Manager. This project was a 2-mile landscape beautification along the Florida Keys Scenic Highway Corridor and gateway to Key West. The project improves the aesthetics of the corridor for drivers and tourists, and the many users of the adjacent Florida Keys Overseas Heritage Trail. The project restores the natural character and habitat of this unique region by eradicating invasive plant species and installing thousands of shrubs and hundreds of trees that are native to this area.

Florida Department of Transportation, US-1, Key Largo and Tavernier, MM97 to MM99 - Monroe County, FL. Project Manager. KCI provided billboard coordination, tree inventory, landscape design, and field inspection. This project is a beautification of a 2.5-mile section of the upper Keys main business district through Key Largo, adjacent to the Florida Keys Overseas Heritage Trail.

Riviera Beach Community Redevelopment Agency, Avenue E Corridor Streetscape Study - Riviera Beach, FL. Senior Landscape Architect. KCI provided professional research and design services for the Avenue E Corridor Streetscape Study to develop an enhanced, vibrant streetscape environment for property and business owners and the public. KCI prepared a comprehensive report that describes the existing physical environment of the roadway, pedestrian sidewalk system, and

Kirk Hoosac, RLA



adjacent buildings/properties lining the corridor. KCI recommended potential streetscape, zoning entitlement, and design and development standards changes to beautify, enhance, and create an environment to attract new investment and redevelopment to foster economic vitality within the project area.

Florida Department of Transportation, Turtle Creek Design Services - Coral Springs, FL. Senior Landscape Architect.

KCI performed design and permitting for street bike lanes and ADA improvements on Turtle Creek Drive. The design consisted of roadway widening, milling and resurfacing, updated signing and marking, drainage improvements and utility coordination.

Florida Department of Transportation, SR A1A Fort Lauderdale Beach Streetscape - Fort Lauderdale, FL. Project Manager.

KCI was retained by FDOT District 4 to design the reconstructed portion of SR A1A from Sunrise Boulevard to NE 18th Street. KCI designed and prepared construction plans for the landscape, irrigation, and hardscape. While most of the landscape improvements are in the newly constructed median, KCI also made improvements to the east sidewalk along the beach. The streetscape design lined SR A1A with stately palms placed in landscaped medians. The palms were spaced closely for dramatic visual impact, and the wide sidewalks allowed for comfortable pedestrian passage. Coastal-appropriate plant species were installed within plant beds throughout the project. KCI performed post-design services, reviewing plant layouts and plant quality to confirm a quality product. KCI continued to assist the department in monitoring throughout the establishment period.

Florida Department of Transportation, Alligator Alley—Broward County, FL. Project Manager.

This project involved landscape assessment, landscape design, and landscape CEI for four recreational areas along Alligator Alley. Project details included excavation, adding clean fill for successful planting, and creating unique themes for each of the northbound and southbound recreational areas. The landscape themes were inspired by the newly proposed wetland education area at the nearby rest stop and included hardwood hammocks and Pine Rockland.

City of Doral, Doral Boulevard Landscape, Lighting, and Irrigation Improvements (HEFT to NW 97 Avenue) - Doral, FL. Project Manager.

KCI provided site analysis, tree relocation plans, landscape and irrigation plans, and specifications for the beautification of a commercial corridor. FDOT standards were applied to a county facility. Mr. Hoosac oversaw the landscape quality control, construction documents, and tree relocation/tree disposition plans for the proposed median landscape and irrigation design, with post-design services and landscape CEI.

City of Doral, Doral Boulevard Median Landscape Improvements (NW 97 Avenue to SR 826) - Doral, FL. Project Manager.

KCI is providing landscape CEI, quality control, construction documentation, and tree relocation/tree disposition plans for the proposed median landscape and irrigation design improvements.

Florida Department of Transportation, SR 679/Bayway Landscape Rehabilitation from Madonna Boulevard to SR 682 - Pinellas County, FL. Project Manager.

The design concept for this area was to buffer the highway from adjacent residential areas and enhance a newly completed median and roundabout to provide additional traffic calming measures. This landscape design enhances a heavily used pedestrian-friendly corridor that leads to Fort Desoto Park. The design was also developed with the Department's standard maintenance practices in mind, providing continuous mowing access between the tree groupings.

Florida Department of Transportation, US 98 Roundabout at Trilby Road - Pasco County, FL. Project Manager.

This project involved landscape and irrigation design for a large volume roundabout and approaches at Trilby Road, which served as a traffic-calming safety improvement project.

Florida Department of Transportation, I-75 at Fowler Interchange - Hillsborough County, FL. Project Manager.

This was a stand-alone landscape project on the southeast quadrant of the interchange, including land sculpting to provide visual interest at the large flat clearing. The landscape theme shows the different ecosystems of Florida taking advantage of the modified terrain, which also includes some decorative gabion walls and rip-rap design features.

Florida Department of Transportation, Andrews Avenue Extension - Segment 5 - Pompano Beach, FL. Senior Landscape Architect.

KCI was the lead design consultant tasked with the development of complete construction plans and specifications. Andrews Avenue was reconstructed as a divided four-lane urban typical section and required significant right-of-way acquisition. The project was constructed between SW 3rd Street and Atlantic Boulevard in Pompano Beach, FL, and included upgrading the signalized intersection at SW 3rd Street, ADA ramp improvements, sidewalk construction, drainage improvements, signing and pavement marking, utility coordination, permitting, and landscape design.

Paulette Summers

Public Involvement



PROFESSIONAL CREDENTIALS

Bachelor of Administration, Major: International Business, Minor: Marketing and Management; Florida International University - 2003

BASIS FOR TEAM SELECTION

Currently assigned to major District Six DW contracts, including the Monroe County Design and Construction Projects

26 years of extensive public relations and marketing experience, including media outreach throughout numerous municipalities including the City of Fort Lauderdale

Demonstrates strong public involvement, problem-solving, organizational skills coupled with her innate ability to build positive strategic alliances, through business partnerships and community members

OFFICE LOCATION

Miami, Florida

Mrs. Summers has 26 years of experience specializing in public involvement, facilitation services, public relations, media relations, social media and marketing services. She has successfully led or supported the public involvement efforts on countless projects, overseeing public involvement plans and community awareness campaigns for numerous agencies throughout Florida. Over the past 13 years with Media Relations Group, LLC (MRG), she has demonstrated strong public involvement, problem-solving, organizational and graphic design skills, coupled with her innate ability to build positive relationships with colleagues, clients, media, partners, community members and stakeholders.

Mrs. Summers has the unique position of leading the public involvement efforts on concurrent outreach campaigns and design and construction contracts for the Florida Department of Transportation (FDOT), District 6 and District 4 while most recently working on the City of Fort Lauderdale Melrose Manors and Riverland Neighborhood Stormwater Improvements project. The experience garnered has enabled her to meet the needs of this contract.

Select Project Experience Includes:

2023 – Present – City of Fort Lauderdale, Melrose Manors and Riverland Neighborhood Stormwater Improvements, Broward County, Florida – Mrs. Summers provided public involvement support as part of the outreach efforts related to this stormwater improvement project, where the City of Fort Lauderdale is in the process of designing drainage infrastructure for the Melrose Manors and Riverland Civic Associations to significantly reduce the duration and intensity of flooding events within these communities. During a June 2023 public meeting, she assisted the project team with greeting members of the associations, City Staff and agency officials, as well as the dissemination of project materials. *Reference: Juan Carlos Samuel, Project Manager, 954.828.6323, Project Role: Community Outreach Specialist/Graphic Designer*

09/2019 – 11/2019 – FDOT District Six Key West (North Roosevelt Boulevard) PHB (formerly known as HAWK) Beacon Educational Campaign Initiative (Construction Phase), Monroe County, Florida – MRG was contracted to assist FDOT District Six in its efforts to inform the public of the Key West PHB Beacons. Five PHBs were installed and activated at the existing mid-block crossings along North Roosevelt Boulevard. MRG lead staff was responsible for educating drivers, pedestrians and cyclists on how to effectively use the PHB with the distributing of flyers. The educational outreach efforts conducted were to ensure that all users are well-informed about the benefits of these devices as well as how they work. Mrs. Summers was the Lead COS on this contract. *Reference: Rodolfo Roman, Public Information Project Coordinator, 305.640.7437 Project Role: Asst. Community Outreach Specialist*

01/2018 – 03/2018 – FDOT District Six North Roosevelt PHB (formerly known as HAWK) City-Wide Design Project, Monroe County, Florida – Mrs. Summers was the Lead Community Outreach Specialist responsible for all the public involvement efforts

related to this city-wide contract, which ran along US1/North Roosevelt Boulevard, a main artery in the City of Key West. She worked closely with the FDOT assigned Project Manager, District Six, Communications Manager, and Infinite Source Communications Manager, to ensure that stringent deadlines were met, with this fast-tracked project. *Reference: Infinite Source Communications, Monica Diaz, 305.573.0089, Project Role: Community Outreach Specialist/Graphic Designer*

2020 – Present – Broward MPO Quick Build Program – Complete Streets Initiative, Broward County, Florida – MRG provides professional technical services in support of developing the Broward MPO's inaugural Tactical Urbanism/Quick Build Program. *Reference: Maurene S. Balmaseda, 954.235.8407 Project Role: Community Outreach Specialist*

2015 – 2024 – FDOT District Six Districtwide Communication Programs and Special Projects – Traffic Operations, Miami-Dade and Monroe Counties, Florida – Mrs. Summers assisted the Lead Community Outreach Specialist on this multi-layered District Six contract, which includes multiple local outreach campaign plans encompassing both Miami-Dade and Monroe Counties. *Cynthia Turcios, FDOT Communications Specialist, 305.470.5225. Project Role: Community Outreach Specialist*

2014 - City of Homestead Solid Waste Route Study, Miami-Dade, Florida – Mrs. Summers assisted Lead Public Information Officer with PI tasks on the new solid waste pickup routes within the City of Homestead and prepared materials to be handed to the client and staffed an informational hotline about the new routes, making herself available to answer any questions regarding the routes from residents. *Reference: Mr. Julio A. Brea Director of Public Works and Engineering, 305.224.4405. Project Role: Community Outreach Specialist*

04/2015 – 12/2015 – City of Miami/MD-WASD Design-Build Services for Replacement of Water Mains and Service Conversions in the Shenandoah Area (Phase A), Miami-Dade County, Florida – Mrs. Summers assisted the Sr. Public Information officer for this project. She was responsible for communicating construction information to the residents of the City of Miami and the Shenandoah Community, by developing project-related informational materials (bilingual project fact sheet, construction alerts and e-blasts), planning organizing and attending special events and meetings to ensure that the affected stakeholders are kept informed of any project updates or construction developments. *Reference: Project Manager: Adriana P. Lamar, MDWASD, 786.552.8087. Project Role: Community Outreach Specialist*

Wesley C. Foster P.E, S.I, M.B.A

Geotechnical Engineering



Education

2018

Master of Business Administration (MBA)
Louisiana State University (LSU),
Shreveport, LA

2013

Master of Engineering – Civil Engineering
University of Florida (UF), Gainesville, FL
2012

Bachelor of Science in Civil Engineering
University of Florida (UF), Gainesville, FL

Licenses

- Registered Professional Engineer, #83239, Florida
- Registered Special Inspector, #83239, Florida
- Florida Engineering Leadership Institute (FELI) of 2017
- PTI – Post Tension Inspector – Level I/II
- ACI – Concrete Construction Special Inspector
- ACI – Concrete Field Certified
- ICC – Structural Steel and Bolting Special Inspector
- ICC – Structural Masonry Special Inspector
- ICC – Soils Special Inspector

Expertise

- Geotechnical Engineering
- Structural Inspection & Analysis
- Quality Control & Testing (Asphalt, Concrete, Earthwork, Aggregates)
- Project Management
- Stormwater Management
- Radiation Safety & Training

Affiliations/ Memberships

- American Society of Civil Engineers (ASCE)
- Florida Transportation Builders' Association (FTBA)
- Florida Engineering Society (FES)
- American Concrete Institute (ACI)
- International Code Counsel (ICC)
- Post-Tensioning Institute (PTI)

With a decade-plus tenure in code compliance, inspections, and construction operations, Mr. Foster brings a wealth of expertise to the Florida Private Provider sector. His portfolio spans both public and private initiatives, with a special focus on Florida's diverse construction landscape. His role encompasses overseeing code compliance, subsurface explorations, laboratory assessments, construction procedures, and the crafting of geotechnical reports, along with construction material testing and inspection.

His background is rich in private provider plan review and inspections, threshold building construction inspections, construction material testing, construction engineering and inspection, engineering management, and geotechnical engineering. Mr. Foster has effectively managed operations for companies specializing in private provider plan review and inspections, construction materials testing, inspection, and geotechnical engineering. He has adeptly handled Building Department contracts, both as a primary and secondary consultant, and is a licensed Professional Engineer and Special Inspector in Florida.

His skill set includes coordinating human resources and administering a wide array of private provider plan review and inspections, material testing and construction inspection services. He leads teams in conducting tests on deep foundations, soil for site work, concrete and asphalt pavement, construction inspection, structural steel inspection, and fire and waterproofing evaluations. Mr. Foster's project management skills extend to handling projects involving code compliance, soils, concrete, and asphalt, as well as reinforcing steel and threshold inspections across various industries.

Experience

Cipriani Residences - Miami, FL

Principal Engineer

Residences Miami is a residential condominium building in Brickell, with 80 stories and 405 luxury residences of 1 to 4 bedrooms, with amazing water and city views. This condo offers more than 18,000 square feet of commercial spaces, 1,650 parking spaces, 2,472 spaces for bicycles, super luxury amenities with 2 swimming pools, restaurants, cabanas, gym, the in-house Cipriani Services and much more. Mr. Foster served as the Private Provider and Project Administration responsible for providing Private Provider Plan Review and Inspections.

FAU Schmidt Family Complex, Boca Raton - Palm Beach County

Principal Engineer

The Schmidt Family Complex for Academic & Athletic Excellence at Florida Atlantic University (FAU) will be a state-of-the-art education and athletic facility which will include 121,000-sq.-ft. of new construction (offices, classrooms for the MBA Sport Management program, weight and training room, etc.), 20,000-sq.-ft. of locker room and support space to be renovated within the existing stadium, as well as construction of two new outdoor football practice fields. Mr. Foster served as the Private Provider, Threshold Inspector and Project Administration responsible for providing Geotechnical Engineering recommendations, Construction Material Testing, Vibration Monitoring, Floor Flatness/Levelness Testing, Threshold Inspections and Private Provider Plan Review and Inspections.

Wynwood Square – Miami, FL

Principal Engineer

The project consists of the construction of twelve (12) stories, approximately 612,192 square foot mix-use Development along with the associated site work. The development will also include concrete slabs, parking garage and associated underground utilities. Mr. Foster served as the Geotechnical Engineer and Project Administration responsible for reviewing the subsurface investigation, laboratory-testing, foundation design, engineering analysis, private provider inspection, threshold inspection, material testing and report preparation.



Reinaldo Villa, MS, PE

Geotechnical Engineering



Mr. Villa has over nineteen (19) years of project management and field experience in the geotechnical industry and is responsible for client development, project proposals and geotechnical engineering activities. Mr. Villa has a track record of managing successful teams and projects, with a focus on geotechnical engineering, foundation testing, construction materials testing, environmental studies, building inspections, and building sciences. Mr. Villa has an extensive amount of experience with transportation-related projects, specifically design-build contracts with government agencies. He has an extensive amount of experience inspecting and overseeing the installation of various foundation systems for bridges, walls, signs, buildings, lighting, and utilities. His foundation systems inspection and testing experience includes spread footings, driven piles, drilled shafts, auger-cast piles, steel piles, and other structural components.

Education

2010

Masters of Science - Civil Engineering (Geotechnical Emphasis) *Missouri University of Science and Technology*

2006

Bachelor of Science in Civil Engineering *Florida International University*

Experience

Sanibel Causeway Emergency Repairs Progressive Design-Build Project, October 2022 - July 2023. Geotechnical design, laboratory testing, and field exploration (land and marine).

Regional Director

The project includes providing permanent repairs due to the embankment washouts of the Sanibel Causeway due to Hurricane Ian. The project includes the design and installation of permanent steel sheet pile walls and king pile wall systems to replace the temporary repairs performed in 2022. Also, the project includes improvements to the roadway between bridges and permanent sheet pile walls. Geophysical testing was also used to help identify voids and anomalies in areas of major embankment washout. Mr. Villa served as Senior Geotechnical Engineer overseeing all aspects of the field exploration program, laboratory testing program, and engineering deliverables. Mr. Villa also provided oversight to ground penetrating radar (GPR) scanning that was performed in areas of suspected ground subsidence / washout from the hurricane.

I-95 3C Express Lanes Design-Build Project, May 2018 – August 2023.

Regional Director

This project consists of an 11-mile-long, \$457 million-dollar design-build project. Universal's scope of work includes Geotechnical design, testing and inspections. Project includes two bridges requiring the use of non-redundant drilled shaft foundations, 21 requiring concrete and steel piling for conventional and category 2 bridges, and 1 bridge requiring auger-cast piles. The bridge requiring auger-cast piles required the use of innovate low-head room equipment instrumentation to check quality of the foundation system. The project also includes roadway improvements, retaining walls (MSE/tie-back/sheet piles), tolling, mast arms, and sign structures. Mr. Villa was also involved with post-design services for all deep foundation elements. Mr. Villa provided oversight on CSL and TIP testing performed on all non-redundant drilled shafts supporting highway bridges. Mr. Villa provided oversight during performance of GPR scanning to locate utilities prior to drilling for geotechnical exploration.

I-395/SR-836 Reconstruction Design-Build Project, May 2018 – August 2023. Geotechnical design, laboratory testing, foundation testing, foundation inspections, and geotechnical construction support

Regional Director

Project includes the design of a signature bridge, segmental bridges, and viaduct bridges supported on auger-cast pile foundations. Mr. Villa served as the geotechnical foundation design engineer of record (GFDEOR) for design of all bridge foundations, roadway elements, ITS structures, signalization structures, and temporary foundations on this project. Mr. Villa certified most foundations (driven piles, drilled shafts and auger-cast piles) and provided oversight on load testing, inspections and testing of deep foundation elements. Mr. Villa provided oversight during performance of cross-hole sonic logging (CSL) testing on drilled shafts and auger-cast piles, thermal integrity profiling (TIP) on auger-cast piles, Pile Driving Analyzer (PDA) testing on driven piles and dynamic (drop) hammer proof load testing on auger-cast piles. Mr. Villa also served as GFDEOR for a 70-foot wide and 40-foot-wide cavity encountered 70 feet below ground in addition to developing a technical special provision for the cavity backfilling and overseeing the performance of geophysical testing (sonar scanning) in order to develop a three-dimensional model of the cavity. Mr. Villa provided oversight during performance of geophysical testing with the use of GPR for evaluation of an MSE wall with soil washout.

Licenses

- FL Professional Engineer No. 72242
- PDCA Dynamic Measurement and Analysis Proficiency Test- Basic Level

Expertise

- Foundation Studies
- Ground Improvement Techniques
- Vibration / Noise Monitoring
- Deep Foundation Testing/Inspections
- Slope Stability
- Settlement Studies
- Forensic Studies
- Pavement Evaluation
- Geophysical Studies
- Retaining Wall Design
- In-Situ Testing
- Load Testing and Interpretation
- Rock Engineering

Affiliations/ Memberships

- American Society of Civil Engineers (ASCE)
- Engineering Contractors Association



HEFT Roadway Improvements, From Bird Road to SR-836 Design-Build Project, 2017-2021.

Regional Director

Geotechnical deep foundation testing and vibration monitoring. Project included the widening of bridges along HEFT mainline as well as construction of new flyover bridges at several interchanges. Mr. Villa provided oversight on all pile driving analyzer (PDA) testing, development of driving criteria letters, and production pile length letters. Also, Mr. Villa also provided oversight on all vibration monitoring during construction activities that may impact existing structures. Additionally, Mr. Villa provided oversight for CSL testing on shafts with deficiencies

MDX Central Boulevard Design-Build Project, 2010 to 2012.

Regional Director

Project consists of reconstruction, realignment and service loop improvements to the main highway entering and exiting Miami International Airport in Miami, Florida. Mr. Villa's role included planning and supervising field exploration and laboratory testing programs for the analysis and design of shallow and deep foundation systems as well as for roadway expansion. The project required developing innovative solutions for foundation and pavement systems to accommodate existing facilities, structures, vehicular and air traffic, and pedestrians. His duties included proposal preparation, attending weekly meetings, planning and supervising all geotechnical field and laboratory related activities, foundation analysis and design, site preparation for roadways, geotechnical report preparation, oversee foundation installation, review foundation testing data and provide foundation certifications for all foundation systems. Mr. Villa also assisted with CSL testing for drilled shafts supporting miscellaneous structures

FDOT NW 25th Street Viaduct West Section, 2012

Regional Director

The project requires extending the existing viaduct over SR 826 (Palmetto Expressway) to west of west of NW 82nd Avenue in Miami, Florida. The geotechnical services consisted of changing drilled shaft foundations to a driven pile system to expedite construction and reduce costs for the contractor. Mr. Villa's role included reviewing existing geotechnical test data and performing value engineering for design of the driven pile systems. Duties also included overseeing all aspects of pile driving inspections, reviewing Pile Driving Analyzer (PDA) data, preparing production pile length letters, driving criteria, review of all pile driving records and preparing foundation certification packages in accordance with FDOT standards.

FDOT Palmetto Expressway Improvements Section 2, 2008 to 2011.

Regional Director

The project consisted of widening, reconstruction and new construction of new roadways and ramps as well as eight (8) bridges and associated retaining wall systems. Mr. Villa's duties included planning and supervising field exploration and laboratory testing programs for use in evaluation of ground improvement techniques for roadway construction as well as for the analysis and design of shallow and deep foundation systems. Responsibilities included performing analysis and design of various foundation systems for bridges, retaining walls, and miscellaneous structures. Responsibilities also included preparing all geotechnical reports, plan reviews, overseeing staff engineers, supervising field inspections for the installation of foundations for bridges and miscellaneous structures, developing pile driving criteria, and preparing foundation certification packages.

Various FDOT Districtwide Contracts (Districts 4 and 6), 2004 to 2012.

Regional Director

Contracts required providing geotechnical drilling, testing, and support services for various FDOT projects from Monroe to Martin Counties, Florida. The services were performed on an as-needed basis to serve as an extension of the FDOT District Materials Office. Mr. Villa's role included serving as staff engineer and project engineer for over 250 task work orders. Responsibilities included site reconnaissance, plan reviews, preparing proposals, planning and overseeing geotechnical field investigations, reviewing soil/rock samples in the laboratory, developing subsurface profiles for each task based on the geotechnical data obtained, performing analysis and design for the installation of various foundation systems for structures, providing site preparation recommendations for roadway improvements, providing foundation installation inspections, and geotechnical reports.





Mark Clark, MS, CEP

Lead Construction & Contamination /

Environmental and Permitting

Mr. Clark has an extensive background performing studies and investigations on biological and ecological impacts, including field evaluations, assessments, recommendations and report writing. Some of his specific responsibilities include project management, wetland jurisdictional determination,

environmental resource permitting, NEPA and permit construction compliance, wetland mitigation design, mitigation monitoring, protected species coordination, assessments, surveys and permitting, NEPA documentation, plans review, and assistance with plans preparation.

SELECT WORK EXPERIENCE

Districtwide Mitigation, Wildlife and Environmental Services Contract, FDOT District Four, Florida

RES maintains a contract to provide mitigation and other environmental consulting services to the Planning and Environmental Management Office. Under this contract, RES assists FDOT in identifying and developing mitigation projects to offset future unavoidable wetland impacts. Specifically, RES manages the District Four mitigation ledger, provides agency coordination, conducts wetland and wildlife studies and prepares NEPA documentation. Work also includes reviewing new roadway and bridge projects for compliance with NEPA. Mr. Clark provides technical assistance and review on projects.

Seven Seawalls Permitting, City of Miami Beach, Miami Dade County, Florida

This contract involves the replacement of seven seawalls within Biscayne Bay. Mr. Clark was responsible for federal and local permitting associated with these seawall replacements, including assisting with National Marine Fisheries Consultation.

North Bay Village Civic Park E Drive, North Bay Village, Miami-Dade County, Florida

This project involves the design of a new seawall and installation of a proposed kayak dock. Mr. Clark is responsible for environmental review and oversight of the benthic survey and assists with project design planning.

Broward Design Services for Adaptive Traffic Control Systems, Broward County, Florida

RES provides permitting various intersection improvements along six corridors within Broward County for the Broward County Highway Construction and Engineering Division. Mr. Clark is responsible for permitting with the FDOT for work within the FDOT right-of-way and permitting with the South Broward Drainage District (SBDD) for work within SBDD Canal right-of-way.

Wetland and Species Review, 23- Acre Parcel at the Immokalee Airport, Collier County, Florida

This project involved an evaluation of a 23-acre parcel located within the Immokalee Airport's property. The field review and subsequent documentation was collected and prepared pursuant to the Collier County Environmental Review Guidebook. Mr. Clark was responsible for oversight of both field evaluation and document preparation.

PREVIOUS WORK EXPERIENCE

SR 786/PGA Boulevard, FDOT District Four, Florida

This 2-mile project involved elevating the roadway and construction of a new bridge to improve water flow and reduce flooding. Mr. Clark was responsible for conducting biological evaluations, habitat mapping of +/-6,589 acres in Loxahatchee Slough, and environmental permitting for direct and indirect impacts in Palm Beach County. Extensive coordination with South Florida Water Management District (SFWMD), US Army Corps of Engineers (USACE), Palm Beach County Environmental Resources Management, and Florida Department of Transportation (FDOT) was required.

AT A GLANCE.

Years of Experience

35 years

- MS, Entomology, Rutgers University, 1989
- BS, University of Tampa, 1986

Certificates | Licenses

- Certified Environmental Professional (CEP) No. 0349
- FDEP Qualified Stormwater Management Inspector #32220
- USACE Certified Wetland Delineator
- FDOT Water Quality Certification
- FWC Registered Agent for Burrowing Owl Observations, Permitting, Inactive Burrow Scoping and Collapsing