



Miscellaneous Sea Wall Replacements

City of Miami Beach - Bayshore, Northshore, & Normandy Isles Neighborhood

As part of the City's commitment to climate adaptation, the City began implementing its seawall program. While the program included major seawall replacements, in order to ensure its efficacy, the program also address smaller unimproved areas. These were critical areas of public seawalls, often adjacent to private seawall at street ends, that would need to be raised to provide a future homogenous elevation. Additionally, raising these seawalls were part of the City's strategy to encourage the adjacent private owners to do the same.



Figure 1 – Existing Seawall at 7220 Rue Notre Dame Rd.

This project included several locations, totaling approximately 420 LF in aggregate. These include: Jefferson Avenue (82 LF), Lenox Court (23 LF), Garden Avenue (63 LF), Bonita Drive (60 LF), Rue Notre Dame (60 LF), Trouville Esplanade, (70 LF) and 7150 Indian Creek (60 LF).

The seawalls were reaching the end of their useful life and were reconstructed with a standard sheet-pile system or rehabilitated with a king-and-battered piles/concrete panels system. The seawalls were located in a challenging environment and their structural integrity was critical to prevent shore erosion and further damage to the canal's water quality and benthic life. The elevation of the new seawall is 5.7 NAVD, to meet the City of Miami Beach design criteria.

Due to their location, often in residential areas, public outreach was a critical component of the project – this included meeting individually with residents and coordinating with the City's Communications Department.

Project Highlights

- ✓ Reconstruction or Rehabilitation of 7 seawalls
- ✓ Local Project in Miami Beach
- ✓ Public Outreach
- ✓ Challenging Environment

Reference

Cristina Ortega, PE
Former City Engineer
City of Miami Beach
Phone: 305-962-7149
cristina.ortega@hdrinc.com

Design Start / Completion

December, 2019 - February, 2021

Design Fee

\$305,000 (BCC Engineering)

Construction Start / Completion

January, 2023 – On-Going

Construction Cost

\$900,000 (est.)

*Note this is personal experience for Mariana Evora



Seawall Program Development & Prioritization

City of Miami Beach - Citywide

As part of the City's commitment to climate adaptation, the City embarked on a Seawall program to prioritize vulnerable seawalls and address the newly adopted Resiliency Standards for Tidal Flood Protection. The City reviewed all City-owned seawalls, conducted surveys, and prioritized seawalls to be raised in elevation.



Figure 1 – Seawall along Trouville Esplanade on Normandy Island

The City of Miami Beach has approximately 55 miles of seawalls – about 5 miles are owned by the City. Of those 5 miles, 2.4 miles had been addressed by earlier projects. The remaining seawalls, approximately 2.6 miles needed to be prioritized and programmed for rehabilitation and/or replacement.

The seawalls needed to be raised to a minimum elevation of 5.7 North American Vertical Datum (NAVD), the new standard set forth by Resolution No. 2016-29454, a resolution amending the City's 2011 Stormwater Master Plan's minimum seawall elevation of 3.2 feet.

The City utilized a drone equipped with LIDAR, a system that determines variable distance by using laser technology to capture Ground Control Points (GCPs). The GCPs of 55 miles of seawall were determined over a period of four months. Once the drone covered the total area, the Digital Elevation Model was able to be mapped by pinpointing the GCPs. The City then prioritized the seawalls based on the following criteria: existing elevation, if the seawall were located along a critical roadway or evacuation route, and the number of adjacent properties that would benefit from increased resilience.

Project Highlights

- ✓ Development of City Seawall Program
- ✓ Local Project in Miami Beach
- ✓ Public Outreach
- ✓ Challenging Environment

Reference

Cristina Ortega, PE

Former City Engineer

City of Miami Beach

Phone: 305-962-7149

cristina.ortega@hdrinc.com

Design Start / Completion

January, 2021 - July, 2021

Design Fee

N/A – City In-House Project

Construction Start / Completion

N/A – Program Development and Condition Assessment

Construction Cost

N/A

*Note this is personal experience for Mariana Evora

Completion: Ongoing

Garth Solutions

Thinking beyond the box

BROWARD COUNTY PUBLIC SCHOOLS SMART PROGRAM COMMUNICATIONS



**SMART INVESTMENTS
LEAD TO SMART STUDENTS.**

Garth Solutions (GSI) serves as the Communications Liaison for the SMART Program—a \$1.65 billion bond initiative designed to enhance learning environments across 232 schools within Broward County Public Schools (BCPS). As the communications team for the entire county-wide program, GSI was tasked with implementing a comprehensive outreach strategy to inform stakeholders—including the community, businesses, internal governance bodies, and the broader public—about the program's progress, milestones, and impact.



APPROACH & IMPLEMENTATION

OUTREACH & STAKEHOLDER COMMUNICATIONS

GSI executes an extensive, neighborhood-level outreach plan that delivers monthly, quarterly, and annual SMART Program communications to diverse stakeholder groups. Community-focused materials such as multilingual fact sheets, presentations, and school-based reports translate SMART Program milestones into clear local impacts.

DIGITAL COMMUNICATIONS & ONLINE PRESENCE

GSI manages the SMART Program's digital communications, including content development, publishing, and analytics across web, social, and email platforms. All content complies with Florida Sunshine Laws and ADA standards, reinforcing transparency and accessibility.

MEDIA & PRESS RELATIONS

GSI develops and executes a media campaign to generate coverage of SMART Program improvements across BCPS campuses, with a focus on feature-friendly upgrades like STEM labs, media centers, and classroom additions. By identifying compelling stories and coordinating directly with local press, the coverage positions each of the improvements as tangible investments in student success, reinforcing public trust and district accountability.

REPORTING & PRESENTATIONS

GSI produces quarterly reports for the Bond Oversight Committee and develops presentations, newsletters, and collateral to mark key milestones. The team has also led workshops for residents, vendors, and other stakeholders to promote transparency and engagement.



APPLIED EXPERTISE

MARKETING & COMMUNICATIONS

- Social Media
- Copywriting
- Content Creation
- Graphic Design
- Email Newsletters
- Press Releases

COMMUNITY ENGAGEMENT

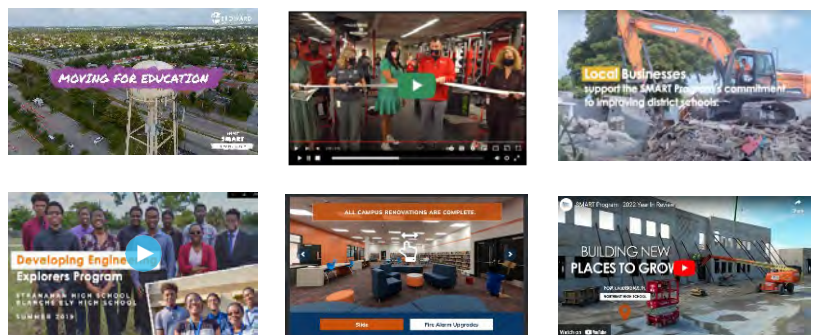
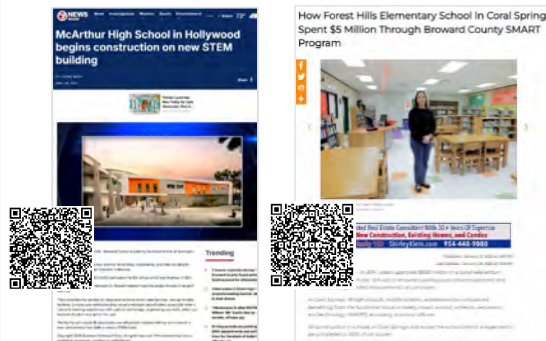
- Targeted Campaigns
- Event Planning
- Grassroots Outreach
- Stakeholder Meetings
- Virtual Coordination

MULTIMEDIA PRODUCTION

- Video Production
- Drone Footage
- Photo Documentation

PROGRAM MANAGEMENT

- Staff Augmentation
- Departmental Coordination
- Contract Management
- Document Control
- Program Reporting



KEY RESULTS

- 40+ published articles
- 3000+ followers on social media
- 1.9 million campaign impressions
- 232+ page website
- Quarterly reporting
- Weekly site visit content
- Multiple ribbon-cutting events
- Regular update meetings organized
- Content created and shared weekly

Completion: 2023



CITY OF HOLLYWOOD COMPLETE STREETS LANDSCAPING PROJECT



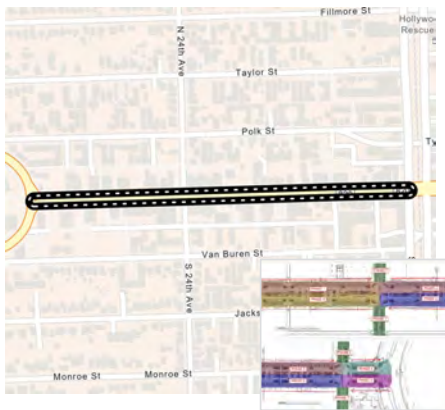
The City of Hollywood invested \$1.2 million in the Hollywood Boulevard Complete Streets Landscaping Project, transforming the corridor between City Hall's right-of-way circle and Dixie Highway. This comprehensive project included the installation of landscaping, and a fully automated irrigation system designed to enhance the quality of life for residents and workers in the area. Garth Solutions, Inc. (GSI) served as a key partner to the City of Hollywood and Superior Landscaping, providing strategic communication, public outreach, and administrative support throughout the project lifecycle from 2022 to 2023.



APPROACH & IMPLEMENTATION

PUBLIC ENGAGEMENT & COMMUNITY LIAISON

GSI served as the primary liaison between the public and the Design and Construction Management (DCM) team, ensuring clear communication throughout the landscaping project. The firm conducted door-to-door outreach to directly engage with impacted residents and businesses along Hollywood Boulevard. This proactive approach helped address concerns, manage expectations, and maintain community support during construction activities.



COMMUNICATIONS STRATEGY & MATERIALS DEVELOPMENT

Working closely with the Director of DCM and Superior Landscaping, GSI developed comprehensive advertising and communication collateral to keep stakeholders informed. The team produced construction updates, alerts, and digital materials distributed through multiple channels. GSI also managed social media campaigns and email marketing efforts to ensure timely, accessible information reached all affected parties.



ADMINISTRATIVE SUPPORT & PROJECT COORDINATION

Throughout the project lifecycle, GSI provided essential administrative services including document tracking, contract review for Community Benefits Agreement (CBE) compliance, and report compilation. The team facilitated responses to information requests and maintained comprehensive project documentation, ensuring smooth coordination between the City, contractors, and community stakeholders.

APPLIED EXPERTISE

PUBLIC OUTREACH

- Community Engagement
- Stakeholder Outreach
- Door-to-Door Outreach
- Dedicated Hotline & Email

MARKETING

- Content Creation & Copywriting
- Digital and Print Promotions
- Social Media Management
- Email Marketing

MULTIMEDIA PRODUCTION

- Drone Footage
- Photographic Documentation
- Videography

PROJECT MANAGEMENT SUPPORT

- Staff Augmentation
- Document Tracking and Reporting
- Administrative Support



KEY RESULTS

- Enhanced communication between the City, contractors, and the community, fostering transparency and trust.
- Delivered high-quality marketing and communication materials that improved public awareness and engagement.
- Supported project completion within the established timeline, contributing to the renewal of Hollywood Boulevard.

Completion: 2021



FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT NEW RUNWAY AND TERMINAL 4 EXPANSION

The Fort Lauderdale-Hollywood International Airport (FLL) embarked on a transformative \$2.3 billion expansion, encompassing the construction of a new South Runway and Terminal 4 upgrades, alongside other enabling projects. This initiative aimed to accommodate increasing air traffic, enhance passenger experiences, and address operational challenges. One of the most technically complex in U.S. aviation history, the South Runway project included a six-story structure bridging US-1 and the Florida East Coast railroad. Terminal 4 renovations focused on expanding capacity, modernizing facilities, and improving operational efficiency.



APPROACH & IMPLEMENTATION

DBE PROGRAM MANAGEMENT

Through an aggressive outreach program, GSI equipped local DBE subcontractors with the knowledge needed to partner successfully with large primes. The effort drove DBE participation on Terminal 4 projects to 40 percent—far exceeding the 25 percent goal—while rigorous monitoring and reporting ensured full compliance with federal regulations.

STRATEGIC COMMUNICATION

GSI created clear, compelling presentation materials for briefings to county commissioners, officials, and other key stakeholders. The team also developed and managed a suite of communication collateral that kept messaging consistent and tightly aligned with project objectives throughout the program lifecycle.

STAFF AUGMENTATION AND ADMINISTRATIVE SUPPORT

GSI provided end-to-end administrative services, handling document control, meeting minutes, and cross-departmental coordination. By facilitating stakeholder meetings and maintaining organized project records, the team ensured smooth collaboration and efficient information flow among all parties.

PUBLIC ENGAGEMENT AND OUTREACH

GSI supported Broward County Aviation Department's Public Information Office by producing quarterly newsletters that kept stakeholders informed of project progress. The team also organized high-visibility milestone events—including groundbreaking ceremonies and a community day celebrating the runway opening—to maintain public interest and foster community participation.



MASTER PLAN UPDATE

Thinking beyond the box

Garth Solutions

APPLIED EXPERTISE

PROJECT MANAGEMENT

- Staff Augmentation
- Document Control
- DBE Program Compliance
- Meeting Coordination

PUBLIC OUTREACH SERVICES

- Community Engagement
- Stakeholder Outreach
- Event Planning & Coordination

MARKETING & COMMUNICATIONS

- Content Creation & Copywriting
- Newsletter Production
- Presentation Development

MULTIMEDIA PRODUCTION

- Photo Documentation
- Videography



KEY RESULTS

- Successfully executed one of the **most complex runway construction projects in the U.S.**, integrating innovative engineering and project management solutions.
- Achieved **40% DBE participation**, exceeding federal and project-specific goals.
- Fostered strong stakeholder relationships through **transparent communication and meaningful engagement**.
- Supported the modernization of Terminal 4, **enhancing passenger experience and operational efficiency**.

Completion: 2023

Garth Solutions

Thinking beyond the box

CITY OF HOLLYWOOD NEW POLICE HEADQUARTERS



Following voter approval of a General Obligation Bond in 2019, the City of Hollywood initiated plans for a new \$72 million Police Headquarters. The project includes the construction of a 100,000-square-foot facility featuring secure staff parking, expanded operational space, and an upgraded radio tower to support citywide public safety and communications. Garth Solutions, Inc. (GSI) was selected to lead public outreach and communication efforts throughout the life of the project, ensuring transparency, community engagement, and timely information flow from design through construction.



APPROACH & IMPLEMENTATION

STAKEHOLDER ENGAGEMENT & COMMUNITY LIAISON

GSI served as the communication bridge between the public and the Design and Construction Management (DCM) team. The firm coordinated and facilitated public meetings, including those with Homeowner Associations (HOAs), to keep residents informed and engaged. This included addressing questions, managing expectations, and fostering community buy-in for the duration of the project.



COMMUNICATIONS STRATEGY & CONTENT DEVELOPMENT

To support transparency, GSI developed a range of public-facing materials—newsletters, construction updates, and digital collateral—to communicate project milestones and timelines. The team also managed social media content and digital campaigns to ensure that information was timely, clear, and accessible.



DIGITAL PRESENCE & MULTIMEDIA PRODUCTION

GSI designed and maintained a dedicated project website that centralized all updates and materials in one accessible location. The team also produced high-quality visuals, including drone footage and photographic documentation, to help the public visualize progress and understand the scale and importance of the investment.



ADMINISTRATIVE & PROJECT SUPPORT

Behind the scenes, GSI handled documentation and reporting, coordinated responses to community inquiries, and supported City staff with administrative needs related to the project. This ensured that communications remained consistent, and that stakeholder feedback was integrated into project workflows.



APPLIED EXPERTISE

PUBLIC OUTREACH

- Community Engagement
- Stakeholder Outreach
- HOA Meetings
- Door-to-Door Outreach
- Dedicated Hotline & Email

MARKETING

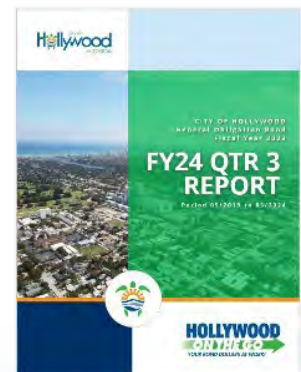
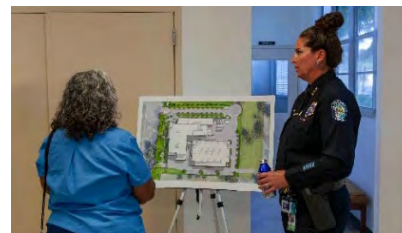
- Content Creation & Copywriting
- Project Webpage Design
- Digital and Print Promotions
- Social Media Management
- Email Marketing

MULTIMEDIA PRODUCTION

- Drone Footage
- Photographic Documentation
- Videography

PROJECT MANAGEMENT SUPPORT

- Document Tracking and Reporting
- Administrative Support
- Website Management



KEY RESULTS

- Successfully engaged residents and stakeholders, fostering trust and transparency throughout the project.
- Delivered high-quality materials that enhanced understanding of the project's scope and benefits.
- Supported the project's progression within the established timeline and budget.



Completion: 2019



CITY OF FORT LAUDERDALE LAS OLAS BEACH PARK PROJECT



CITY OF FORT LAUDERDALE

The City of Fort Lauderdale initiated the Las Olas Beach Park Project to revitalize a key waterfront corridor and improve public access to its beaches. The \$51 million investment included two new waterfront parks, a modern parking facility, a tree-lined promenade, and major streetscape improvements. Garth Solutions, Inc. (GSI) was brought on to lead public outreach and communications, ensuring stakeholders remained informed, engaged, and supportive throughout the planning and construction process.



APPROACH & IMPLEMENTATION

PUBLIC COMMUNICATIONS STRATEGY

GSI developed and executed a citywide communications plan that included newsletters, alerts, and timely updates on project milestones. These materials were designed to be visually engaging and easy to understand, ensuring the public could track progress without confusion or speculation.

STAKEHOLDER ENGAGEMENT & FEEDBACK LOOPS

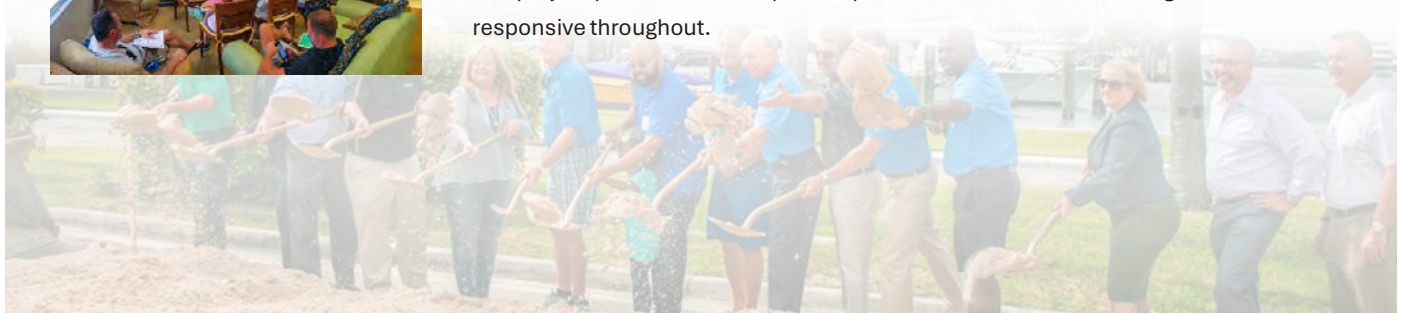
The team conducted outreach to businesses, residents, and stakeholder groups through community meetings and direct communication. By creating space for dialogue and delivering responsive follow-ups, GSI helped mitigate concerns and build goodwill with affected audiences.

VISUAL & DIGITAL COMMUNICATION TOOLS

GSI produced collateral that visually communicated design features, timelines, and construction phases. Updates were distributed across digital and print formats to ensure broad accessibility. Materials included renderings, infographics, and visual summaries to clarify the project's benefits and evolution.

ADMINISTRATIVE SUPPORT & REPORTING

In addition to public-facing work, GSI provided behind-the-scenes support including document control, stakeholder correspondence tracking, and reporting to City staff and project partners. This helped keep communication channels aligned and responsive throughout.



APPLIED EXPERTISE

PUBLIC OUTREACH SERVICES

- Community Engagement
- Stakeholder Outreach
- Presentation Development
- Meetings & Events Coordination

MARKETING & COMMUNICATIONS

- Content Creation & Copywriting
- Communications Materials
- Social Media Management
- E-Newsletter Production
- Construction Alerts

PROJECT MANAGEMENT SUPPORT

- Document Control
- Reporting



KEY RESULTS

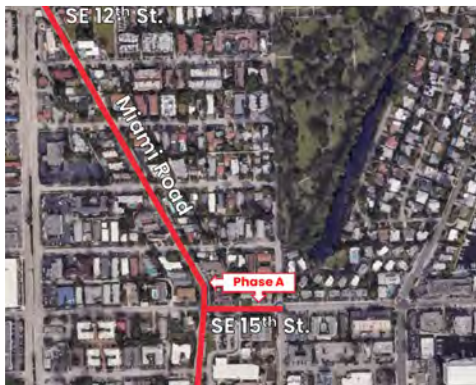
- Established an **effective line of communication** between the construction management team and stakeholders.
- Enhanced community trust and transparency through **consistent updates and proactive outreach**.
- Supported the **successful completion of the project on time and within budget**.

Completion: Ongoing



CITY OF FORT LAUDERDALE SANITARY FORCE MAIN REHABILITATION AND REPLACEMENT PROJECT MARKETING & PUBLIC RELATIONS

The City of Fort Lauderdale and Lanzo Construction Company are working to upgrade approximately 23,370 feet of large sanitary sewer pipelines along NE/SE 9th and 10th avenues, from Sunrise Boulevard to the George T. Lohmeyer Wastewater Treatment Plant.



APPROACH & IMPLEMENTATION

STRATEGIC COMMUNICATIONS

GSI is conducting an extensive, neighborhood-level outreach plan that facilitates information between the public, the City of Fort Lauderdale, and Lanzo Construction Company. GSI works with the Lanzo Construction Company team to develop advertising and communications collateral notifying the public of developments regarding the Sanitary Force Main Rehabilitation and Replacement Project.

GSI developed messaging and branded materials to keep the public informed, engaged, and encouraged to provide input throughout each phase of the project.

STAKEHOLDER ENGAGEMENT & COMMUNITY LIAISON

GSI is coordinating public meetings to keep residents informed and engaged. This includes addressing questions, managing expectations, and fostering community for the duration of the project. The firm is also going door-to-door to inform residents about the project and how it may impact them.

REPORTING & PRESENTATIONS

GSI is utilizing a combination of stakeholder meetings, public workshops, PowerPoint presentations, advisory flyers, and other mediums to share information with the public.



APPLIED EXPERTISE



STRATEGIC COMMUNICATIONS

- Campaign Planning & Execution
- Stakeholder Communications

PUBLIC OUTREACH

- Community Engagement
- Stakeholder Outreach
- Door-to-Door Outreach

MARKETING

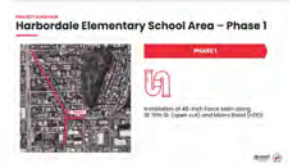
- Graphic Design
- Collateral Materials

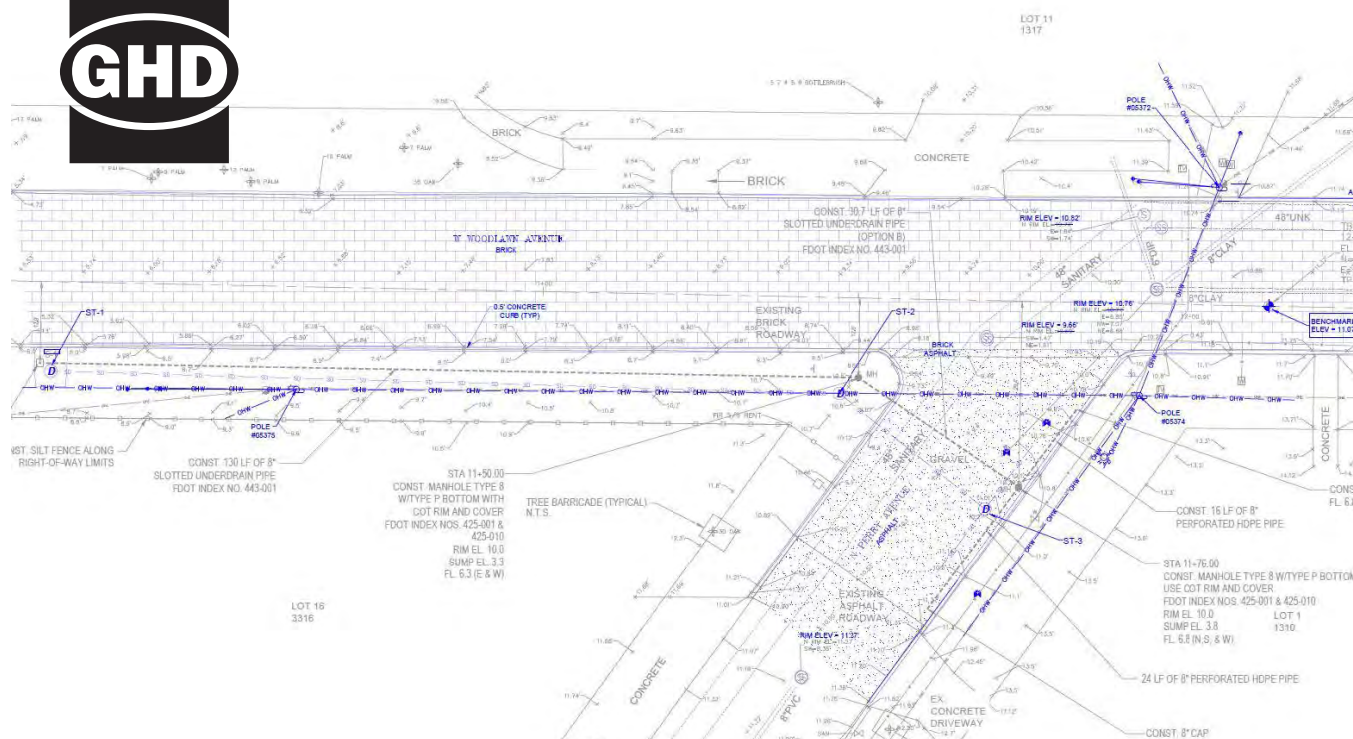
COMMUNITY ENGAGEMENT

- Public Meeting Coordination
- Stakeholder Outreach
- Event Planning
- Construction Updates/Alerts

KEY RESULTS

- The Sanitary Force Main Rehabilitation and Replacement Project is still ongoing. So far with the help of GSI, the Lanzo Construction Company has been able to create an effective line of communication between the Construction Management team and City of Fort Lauderdale stakeholders.





A-72



Chancey Road Phase 3

Mission

To provide geotechnical evaluations.

Client

Wiregrass Community Development
District C/o Locust Branch, LLC
Developer of Wiregrass Ranch
Scott Sheridan, RLA
T: 813 973 7491

Location

Wesley Chapel, Florida

Date

2017

Value

Professional Services: \$7,500
(Geotechnical)
\$70,000 (CMT)

Our response

GHD completed a series of roadway, pond and culvert crossing borings for this eastward extension of Chancey Road from the intersection with Wiregrass Ranch Boulevard. Based on the boring results and review of site information, GHD provided geotechnical evaluations for subgrade suitability, seasonal groundwater fluctuations, geologic hazards, and subgrade preparation recommendations, including culvert foundation and headwall design considerations. Following review by Pasco County representatives, GHD also provided supplemental recommendations for six additional items highlighted during the design review. The supplemental geotechnical consultation effort was provided at no additional cost to Wiregrass Community Development District. GHD performed construction materials testing during construction of the roadway segment.



PHSC Porter Campus at Wiregrass Ranch

Mission

Geophysical survey and a series of soil borings, and design-level geotechnical exploration and engineering services, along with a pilot boring program.

Client

Pasco-Hernando State College
(formerly Pasco-Henrando
Community College)
Skanska USA Building
T: 813 282 7100

Location

Wesley Chapel, Florida

Date

2010-2014

Value

Professional Services: \$31,810
(Geotechnical)
\$255,000 (CMT and Pilot Borings)

The challenge

GHD initially conducted a geophysical survey and a series of soil borings in order to provide geotechnical engineering evaluations for the buildings, pavement areas and stormwater collection ponds. As the foundation design process continued, GHD was again retained to provide final design-level geotechnical exploration and engineering services, along with a pilot boring program.

Our response

The pilot boring program was focused to areas of the main building where deep foundations were anticipated, and GHD provided refined pile capacities and minimum pile tip penetration based on the results of the design-level geotechnical study.

During construction, we provided engineering monitoring services of pile load tests, auger-cast pile installation, and earthwork activities, as well as construction materials testing of soil, asphalt and concrete. We also conducted field measurements of post-tension tendon elongation for the elevated structural slabs, and provided construction materials testing for improvements to Mansfield Boulevard as part of the overall site development.



Wiregrass Ranch Boulevard, Phases 2, 3, and 4

Mission

To provide construction materials testing services

Client

Wiregrass Community Development
District C/o Locust Branch, LLC
Developer of Wiregrass Ranch
(previously C/O King Engineering and
Associates, Inc.)
Scott Sheridan, RLA
T: 813 973 7491

Location

Wesley Chapel, Florida

Date

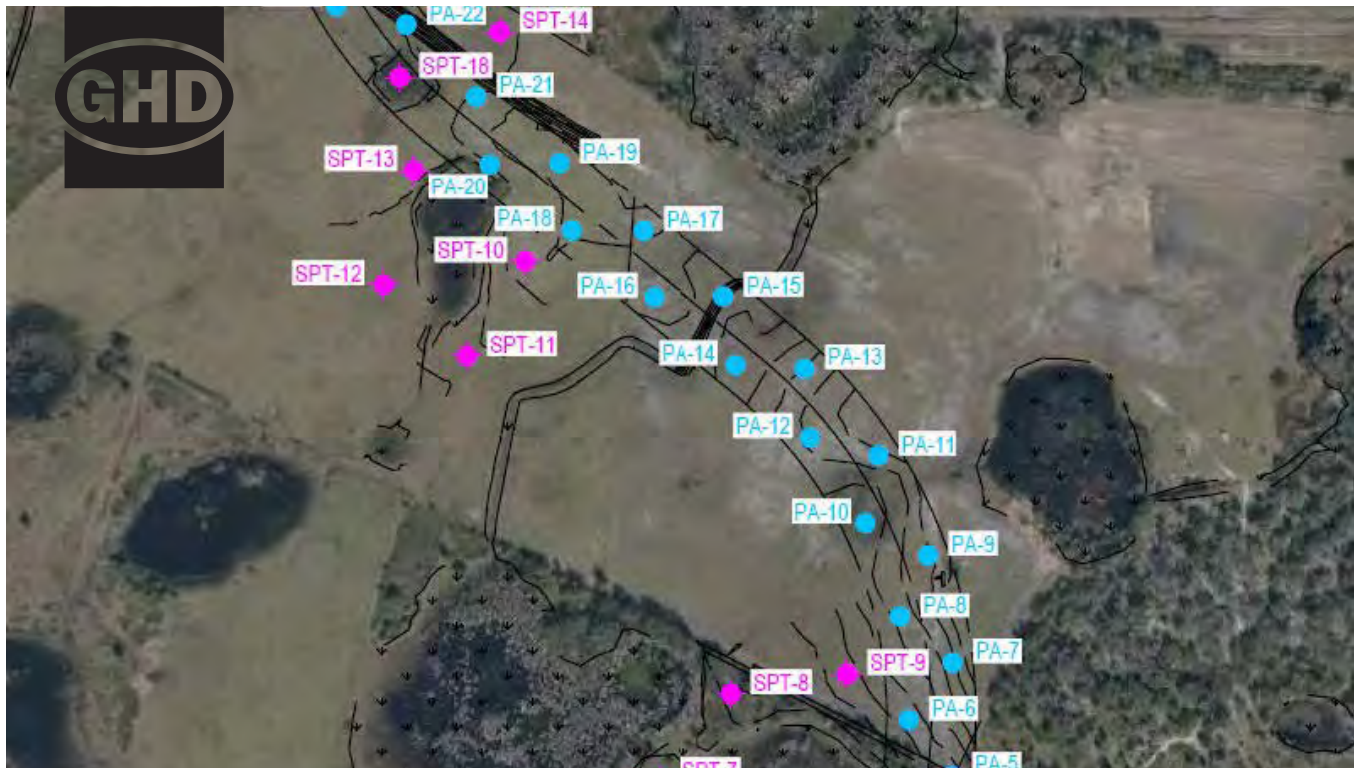
2016-2022

Value

\$30,000 (Geotechnical)
\$175,000 (CMT)

Our response

GHD provided construction materials testing services with geotechnical engineering support for this residential collector road segment from State Road 56 and north of Chancey Road in Wesley Chapel, Florida. The project phases included observation and verification testing of onsite fill blending operations, as well as geotechnical review of imported fill materials. Soil borings and geotechnical evaluations for sanitary lift station, roadway, pond and culvert crossing areas were completed by GHD for Phases 3 and 4.



Wiregrass Ranch S4 Collector Road

Mission

To provide geotechnical evaluations.

Client

Wiregrass Community Development
District C/o Locust Branch, LLC
Developer of Wiregrass Ranch
Scott Sheridan, RLA
T: 813 973 7491

Location

Wesley Chapel, Florida

Date

2021-2025

Value

Professional Services\$ 25,000
(Geotechnical)

Our response

GHD completed a series of roadway borings and pond area borings for this proposed collector road located within Wiregrass Ranch Parcel S4 and between intersections with Hueland Pond Boulevard to the south and future Chancey Road Phase 3 to the north. Based on the boring results and review of site information, GHD provided geotechnical evaluations for subgrade suitability, seasonal groundwater fluctuations, geologic hazards, and subgrade preparation recommendations, including onsite soil blending. Drilling challenges included limited-access boring locations within or adjacent to existing wetland areas. Supplemental exploration was subsequently performed for additional stormwater collection areas and sanitary sewer lift stations.



JEA Electric System Resilience Assessment and Adaptation Plan

Jacksonville, Florida | Completion: 2023



Client Name
JEA

Project Cost
\$956,000 (Professional Fees)

Project Size
City-wide electric infrastructure including substations and transformers

- Relevance
- Enhances resilience against climate-related hazards through proactive infrastructure planning.
 - Supports integrated systems reliability by addressing interdependencies between electric, water, and wastewater systems.
 - Leverages advanced modeling and risk assessment tools to prioritize cost-effective adaptation strategies.
 - Strengthens JEA's position for securing additional state and federal resilience funding.
 - Demonstrates proven performance and excellence in project management, meeting client expectations for quality, budget, and schedule adherence.

PROJECT SCOPE/SERVICES PROVIDED

- Jacobs provided comprehensive planning and resilience assessment services including:
- Climate resilience and adaptation planning
 - Infrastructure vulnerability and condition assessments
 - Asset management strategies
 - Climate and natural hazard risk analyses
 - Coastal, urban, and riverine flood modeling
 - Scenario development integrating climate projections
 - Risk and financial analysis with cost-benefit evaluation
 - Development of resilience strategies (infrastructure hardening and redundancy)
 - Immediate and long-term capital improvement recommendations
 - Enhanced design criteria for resilient infrastructure
 - Evaluation of interdependencies between electric, water, and wastewater systems

PROJECT OVERVIEW

To safeguard critical electric infrastructure from increasing climate-related risks, Jacobs partnered with JEA to deliver the Electric System Resilience Assessment and Adaptation Plan. Focused on substations and service transformers, the project assessed vulnerabilities and established a forward-looking strategy to enhance reliability, reduce risk, and ensure continuity of service.

Using advanced climate modeling and scenario planning—including projections for sea level rise, rainfall, and temperature extremes—Jacobs conducted in-depth vulnerability analyses and flood modeling. The team pinpointed failure points and recommended targeted adaptation strategies, such as infrastructure hardening, redundancy improvements, and updated design standards.

An integral part of the project involved developing implementation guidance, prioritizing investments, and mapping out clear funding pathways, including securing federal grants such as the \$23 million FEMA BRIC grant. The resulting resilience plan established a prioritized roadmap for JEA's capital improvement program, significantly improving the reliability and resilience of its electric system.

Why This Project Matters

The JEA Electric System Resilience Plan safeguards critical infrastructure, ensuring continuous electric service during severe weather events and climate disruptions. Jacobs' proactive adaptation strategies and detailed resilience planning enhance community safety, operational reliability, and economic stability, while positioning JEA effectively for future resilience funding and public confidence.



Seminole Tribe of Florida Water and Wastewater Utility Program

Hollywood, Florida | Completion: Ongoing

Client Name

Seminole Tribe of Florida

Project Cost

\$300M (Total CIP Value)

Project Size

Multiple reservations, covering various water and wastewater systems

Relevance

- Comprehensive infrastructure assessments
- Detailed master planning and hydraulic modeling
- Advanced treatment process evaluations and plant expansions
- Construction and implementation of new wastewater treatment facilities
- Risk assessment, prioritization, and structured decision-making

- PROJECT SCOPE/SERVICES PROVIDED
- Infrastructure condition assessments for water and wastewater treatment plants
 - Master planning for potable water, wastewater, reclaimed water, and solid waste
 - Hydraulic modeling for drinking water distribution and wastewater collection systems
 - Treatment process evaluation and optimization
 - Construction of new wastewater treatment facilities, deep injection wells, and pump stations
 - Reverse Osmosis (RO) treatment upgrades and plant expansions
 - Improvements to chemical storage, conveyance, and injection systems
 - Elevated tank altitude valve and flow/pressure control valve improvements
 - Development and management of the 5-Year Capital Improvement Plan (CIP)
 - Risk assessments, prioritization, and structured decision-making processes

PROJECT OVERVIEW

Jacobs managed the comprehensive \$300 million Seminole Tribe of Florida Water and Wastewater Utility Program, encompassing 58 projects aimed at modernizing, updating, and expanding critical infrastructure across multiple reservations. Initiated with Immediate Action projects to address safety, operational efficiency, water quality, and treatment capacity, the program evolved through detailed yearly assessments and structured planning efforts.

Jacobs provided extensive services, including detailed infrastructure assessments, master planning, hydraulic modeling, significant infrastructure improvements, and advanced treatment processes. Notable projects included constructing new wastewater treatment plants and deep injection wells at Hollywood and Immokalee Reservations, and upgrades to existing water treatment facilities through reverse osmosis treatment expansions.

Jacobs applied a robust stage-gate process and risk assessment methodology, ensuring transparent, prioritized, and defensible capital investment decisions. This structured approach strengthened communications among stakeholders, provided accountability, and ensured alignment with the Tribal community’s immediate and long-term needs.

WHY THIS PROJECT MATTERS

This initiative significantly enhanced the health, safety, and environmental sustainability of the Seminole Tribal community through reliable and effective water and wastewater services. Jacobs’ structured program delivery and comprehensive infrastructure planning provided the Tribe with long-term resilience, operational reliability, and strategic capital planning tailored to support sustainable growth and protect previous infrastructure investments.

South Florida Military Installation Resilience Review (MIRR)

Southeast Florida | Completion: 2023



PROJECT SCOPE/SERVICES PROVIDED

Client Name

South Florida Regional Planning Council

Project Cost

Confidential

Relevance

- Comprehensive Stormwater and Flood Resilience Expertise
- Strategic Planning and Risk Assessment Capabilities
- Community and Stakeholder Engagement Experience
- Integrated Funding and Project Delivery Strategy
- Regional Understanding and Adaptation Solutions

- Strategic Planning and Business Continuity
- Projections of Sea Level Rise (SLR), rainfall, and temperature impacts
- Risk Assessment and Infrastructure Resilience Planning
- Coastal Flood Modeling and Analysis
- Nature-based Solutions (Stream, River, Estuarine, and Coastal Restoration)
- Resilience Alternatives (Infrastructure Hardening, Redundancy)
- Master Planning and Capital Improvement Planning
- Community Outreach and Stakeholder Management
- Development of Funding Strategies

PROJECT OVERVIEW

The MIRR covered three counties and four key military installations: Naval Air Station Key West, Homestead Air Reserve Base, U.S. Southern Command, and the South Florida Ocean Measurement Facility. Funded by the Department of Defense's Office of Local Defense Community Cooperation, this initiative identified external risks and vulnerabilities that could impact the military installations' ability to fulfill their missions, emphasizing the critical intersection between climate resilience, community infrastructure, and national security.

The Jacobs-led team developed a comprehensive five-step methodology to pinpoint priority threats and collaboratively identify actionable adaptation and mitigation strategies. This process emphasized stakeholder engagement, strengthening the civil-military relationship and ensuring that identified projects support both military readiness and community resilience. Recommendations encompassed policy actions, physical improvements, and targeted investments to enhance shoreline protection, stormwater management, roadway enhancements, resilient utilities, and affordable housing.

A crucial component was a vulnerability assessment highlighting future challenges such as sea level rise, flooding, extreme heat, shoreline erosion, energy supply stresses, and housing affordability. With planning horizons set for 2040 and 2070, the MIRR provided strategic guidance and a clear funding pathway for approximately \$90 million in recommended infrastructure and community resilience projects.

WHY THIS PROJECT MATTERS

The MIRR is vital as it strengthens the resilience and operational readiness of South Florida's military installations and surrounding communities. By fostering enhanced coordination and proactive investment in infrastructure, this project directly contributes to safeguarding military mission continuity, regional economic stability, and community sustainability against increasing climate-related threats.

City of St. Petersburg Stormwater Management Master Plan Update

St. Petersburg, Florida | Completion: 2022



PROJECT SCOPE/SERVICES PROVIDED

Client Name

City of St. Petersburg

Project Cost

\$3.4M

Project Size

72 square-miles urban watershed

Relevance

- Robust citywide modeling of coastal flood hazards and WQ issues
- Seamless conversion to ICPR4, SWFWMD-aligned model formatting
- Use of BMPTRAINS for planning water quality investments
- Integrated stakeholder engagement and CIP decision-making support

Jacobs provided full-spectrum planning and modeling services, including:

- Consolidated 26 watershed basins into citywide hydrologic & hydraulic models
- Converted all SWMM models to ICPR4 for SWFWMD compliance and future resilience simulations
- Applied BMPTRAINS to evaluate pollutant loading and WQ improvement potential
- Modeled CRS Activity 450-compliant floodplain mapping and LOS evaluations
- Integrated NOAA 2100 SLR and rainfall projections to forecast future conditions
- Created a phased, fundable CIP prioritization matrix tied to public and political priorities
- Developed a public-facing website and delivered engagement tools for neighborhood outreach.

PROJECT OVERVIEW

Jacobs is leading the development of a citywide Stormwater Management Master Plan (SWMP) for the City of St. Petersburg, designed to address flooding, water quality, and infrastructure planning across 26 urban basins. The plan is focused on identifying stormwater-related vulnerabilities while delivering a prioritized roadmap of capital improvement projects (CIPs) to increase resilience, reduce flood risks, and meet regulatory requirements.

The project covers more than 72 square miles of highly urbanized, coastal terrain. It includes areas of tidal influence and aging infrastructure, making the integration of flood modeling, pollutant reduction strategies, and resilience planning critical to success.

WHY THIS PROJECT MATTERS

Like Sarasota's urban corridors around Dona Bay, the City of St. Petersburg faces combined challenges of flooding, aging infrastructure, impaired water quality, and sea level rise. Jacobs has helped the City develop a data-rich, community-informed master plan that ties modeling to action, integrating capital delivery with public priorities. Sarasota can leverage this same strategy to bridge modeling, stakeholder consensus, and funding.



Stormwater Master Plan Modeling and Design Implementation

City of Ft. Lauderdale

Broward County, FL

Longitude Surveyors (LS) provided Boundary, Topographic, Drainage, Roadway, Tree, Bathymetric and High Mean Water Surveying services for 50-plus outfalls throughout Broward County. Longitude located all inlet/outfall structures along the roadway of each inlet. The Client replaced twelve City owned seawalls. LS included existing seawalls out to the edge of the roadway pavement in the survey for those locations. In addition, Longitude included in the survey the following: docks, electrical panels, water lines, etc. Scope included seawall replacement of fourteen (14); two (2) stormwater pump stations, additional stormwater improvements such as inlets/outlets and roadway regrading.

Prime / Sub:

Subconsultant

Contract Start/End Date:

7/2017 - 8/2021

Services:

Boundary, Topographic, Drainage, Roadway,
Tree, Bathymetric and High Mean Water Surveying services



Collect Drainage and Gravity Sewers Rim and Invert Elevations

City of Hallandale Beach

Broward County, FL



Longitude Surveyors collected inverts and rim elevations for all drainage and sanitary structures as throughout the the City of Hallandale Beach.

Prime / Sub:

Subconsultant

Contract Start/End Date:

9/2021 - 8/2022

Services:

Drainage Surveying services.



18 inch - Force Main on Bayshore City of Ft. Lauderdale

Broward County, FL



Longitude Surveyors (LS) provided Topographic, Bathymetric and Drainage Surveying services. LS prepared Sketch & Legal Description. LS collected elevations on top of sea wall and other features falling within 30' South.

Prime / Sub:

Subconsultant

Contract Start/End Date:

5/2018 - 12/2021

Services:

Topographic, Bathymetric and Drainage Surveying services.



NE 21 Avenue and NE 24 Terrace Storm Water Improvements City of Ft. Lauderdale Broward County, FL

Longitude Surveyors (LS) provided Topographic and Drainage Surveying services to include the following: Right-of-Way and property lines for the project area, property numbers, all property lines, all side lot lines, and adjacent properties were shown graphically. Location of all above ground improvements such as, but not limited to; overhead and ground utilities, sidewalks, curb and gutters, paved roads, driveways, light poles, power poles, fire hydrants, fences, signs, manholes, catch basins, valves/valve boxes, etc. Elevations were taken equivalent to a 35-foot grid. A Digital Terrain Model (DTM) was provided. LS collected rim elevations, bottom elevations and inverts of all drainage and sanitary structures. LS attempted to determine pipe diameters and material of all drainage and sanitary structures within the survey limits. LS set TBM's outside the project limits, in locations where they were used by the contractor during construction.

Prime / Sub:
Subconsultant

Contract Start/End Date:
12/2018 - 6/2019

Services:
Topographic and Drainage Surveying services.



CONSENT DECREE PROGRAM Miami-Dade Water & Sewer Department Miami, FL

**Project Owner:**

Miami-Dade Water & Sewer
Department

Project Size:

+100 Projects (Various)

Project Cost:

\$2 Billion

Start/Finish Date:

06-2014/06-2024

Reference:

Pete Hernandez
786-255-575

pedro.hernandez@aecom.com

Contract Administration | Construction & Change Management | Scheduling | Estimating | Cost Engineering

PROJECT SCOPE SUMMARY: The CD Program is an expansion, renovation and capacity management of the Water & Sewer Department collection and transmission systems to prevent Sanitary System Overflows as required by the Consent Decree with the EPA. This is a large and complex program spanning over 10 years to complete the planning, design and construction of over 100 projects. Proper interfacing of the projects and maintaining full operations while under construction were some of the biggest challenges facing execution.

FIRM'S INVOLVEMENT: Management of projects schedules, budget, cost and changes; change orders estimating, negotiations and management; construction engineering and contract administration; review contractor schedule baselines, updates and time impact analyses; monitor progress and review of payment requisitions; participate in stake-holders and executive management meetings; identification of issues affecting program costs and schedules; recommend solutions and corrective actions to the management. Also developed an effective cost and change control and helped implement SharePoint for project management and reporting functions.





PUMP STATION 28 AND FORCE MAIN IMPROVEMENTS

City of Miami Beach
Miami Beach, FL



Project Owner:
City of Miami Beach

Project Size:
Pump Station

Project Cost:
\$25 Million

Start/Finish Date:
2025/2026

Reference:
Teresa Kaimrajh
561-465-9942
TeresaKaimrajh@miamibeachfl.gov

Scheduling | Estimating

PROJECT SCOPE SUMMARY: The PS 28 lift station located at 28 Street between Sheridan Avenue and Pine Tree Drive collects flow from two upstream pump stations, PS 13 and 14 through two gravity 30-inch and 24-inch lines. A triplex lift station consisting of three 200 HP pumps sends the gravity influent into the 36-inch discharge header associated with the booster pumps. The work includes the complete rehabilitation of the pump station building and demolition of PS and electrical buildings and construction of a new electrical building, bypass pumping, complete replacement of all pumps piping and appurtenances, install new generator and fuel tank, new odor control, new ventilation / AC (HVAC) system, improve site accessibility, electrical, plumbing, instrumentation and site work, storm proof and rehabilitate the pump station by installing watertight hatches and hurricane proof windows and doors



FIRM'S INVOLVEMENT: PCI's responsibilities include constructability review, cost estimate, construction phasing (conceptual schedule and critical path) and bid Analysis



VARIOUS PROJECTS

LOCATION

Colorado and Utah

OWNER

Ute Mountain Ute Tribe

Santicola & Company has been the lead Grant Writer for the Ute Mountain Ute Tribe since 2014 and has helped generate \$166M in grants including water and transportation grants. Samples of similar projects Santicola & Company helped generate funding for are listed below.

Funding agencies for these projects included Indian Health Services, U.S. Department of Transportation (USDOT), Colorado Department of Transportation, U.S. Department of Agriculture, Colorado Health Foundation, and Colorado Housing and Finance Authority.

- » White Mesa Water Tank, White Mesa, UT
- » White Mesa Water Improvements, White Mesa, UT
- » Cortez-Towaoc Waterline Improvements, Cortez, CO
- » HWY 160 Passing Lane – Towaoc Waterline, Towaoc, CO



The HWY 160 Passing Lane project was funded by USDOT and the Colorado Department of Transportation. Santicola & Company wrote the \$11M that funded the entire project, including the waterlines. The grant proposal written was a co-application with the Colorado Department of Transportation and Ute Mountain Ute Tribe. The Colorado Department of Transportation chose the services of Santicola & Company for the grant proposal based on Santicola & Company's track record of success, rather than bidding out to other firms and a short timeline for submission.

Additionally, Santicola & Company recently helped the Ute Mountain Ute Tribe win a Tribal Domestic Water Program grant from the Bureau of Reclamation in the amount of \$7.5M for planning, design and construction of a water project that provides domestic water to the Native American reservation in Colorado and Utah. In addition, Santicola & Company helped the Ute Mountain Ute Tribe win a USDOT Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant for planning and design of a road that leads to two major tribal enterprises: Weeminuche Construction Authority and Ute Mountain Farm and Ranch/Bow and Arrow Brand LLC. Bow and Arrow Brand provides the finest non-GMO corn products available from their state-of-the-art mill on the Ute Mountain Ute reservation. RAISE is a discretionary grant program administered by USDOT. Grants are awarded on a highly competitive basis nationwide.



Professional Cost Estimating and Scheduling Services / Staff Augmentation, Miami, FL. From **2015-2019**, RIB U.S.COST has provided Cost Estimating and Scheduling services to Miami-Dade Water & Sewer Department with Staff Augmentation. On-Site Personnel's scope of services include:

- Prepares project estimates at various stages of construction, establish budgets, prepare cost escalations, analyze bids, assess proposals, participate in negotiations, and supports project coordination, pre-construction services and administration
- Prepares and analyzes project schedules using Primavera Project Planner at various levels of planning, funding, design and construction. Supports the development of the Overall Program Schedule (OPS); individual contract schedules, requirements, review contractors' schedules, delay claims and time impact analyses
- Provides cost and cash flow projections for funding needs
- Assists in providing data for official statements for bond offerings
- Supports modification of procedures, processes and systems to meet evolving needs and departmental goals
- Recommend language to be included in the contract documents relating to schedules, payments and claims to allow for project completion
- Analyze/evaluate claims arising from the design and construction of projects including, but not limited to, the following services:

Review and organize relevant project schedules, cost estimates, and claim information

- Analyze the impact of delays, inefficiencies, interferences and schedule accelerations by use of claims analysis methodologies such as windows or time impact analyses
- Identify crucial documents to assist in claims processing



Truman Waterfront Upland Improvement, Key West, FL. Owner: Department of the Navy. **Completion Date: 2014.** Scope of Services Provided: Cost Estimating & Master Plan Program Cost Estimates. RIB U.S.COST provided cost estimating services in support of the development of a portion of surplus Navy property known as the Truman Waterfront Upland Parcels, located in Key West, Florida. Features include 23 acres of developed waterfront property for mixed use, retail, parks, and a cruise port.



RIB U.S.COST services were performed for landscape, sub-surface/infrastructure, utility design; roads and pedestrian access; ecological and environmental; amphitheaters/event plazas; waterfront design; alternative supplemental energy sources, and recreation/historic areas.

RIB U.S.COST provided master plan program cost estimates including construction costs for each project including contingencies, escalation and soft costs. \$44M.

R.M. Clayton Water Reclamation Center, Atlanta, GA. Completion Date: 2016. RIB U.S.COST provided cost estimation services in support of the rehabilitation and renovation of the R.M. Clayton Water Reclamation Center. Originally constructed in 1935, the center filters the City of Atlanta's wastewater to making it suitable for its discharge into the Chattahooche River.

RIB U.S.COST provided cost estimating services for Brown and Caldwell at the 30%, 90% and 100% phase. \$23M.



Resumes

BEVERLY SANTICOLA

500 Academy Place, Sewickley, PA 15143

Cell 281-224-1443 • E-Mail: bevsanticola@outlook.com

www.centerforruraloutreach.org

Major Accomplishments

- Trained more than 6,000 individuals from nonprofits, government agencies and Native organizations since 2001
- Built a team of grant writing associates that have won more than ONE BILLION in grants in 20 years
- Co-produced 3 [Telly Award](#) winning Native American documentaries in partnership with the UMUT and Filmworks Pacific
- Co-produced 5 [Anthem Award](#) winning Native American publications with Nelson Design and Anthony Two Moons
- Co-designed 1 [Webby Award](#) winning website in partnership with the UMUT, Anthony Two Moons and Silo Designs
- Imagined and co-created a Native National Partnership Retreat that generated \$140M for UMUT between 2015-2022
- Selected as 2010 and 2014 Purpose Prize Fellow by Encore.org, Atlantic Philanthropies, & John Templeton Foundation
- Served as a federal grants' reviewer for US Department of Health and Human Services
- Trained/presented for numerous federal agencies including USDOT, Homeland Security, HHS, DOL, ED, etc.

Experience

Santicola & Company 2001 - Current

Beverly Santicola is President of Santicola & Company, a woman owned S Corporation that was founded in 2001. Beverly turned an agricultural childhood and lifetime of work experiences into a purpose driven mission to grow a new generation of leaders for the future of America. She is an award-winning film producer, social entrepreneur, idea generator, problem solver, program developer, project facilitator, public speaker, and grant writing consultant. Over the past ten years Santicola has dedicated her expertise and energy in the arenas of community development, language and cultural preservation, intergenerational leadership, and collaborative partnership building for the Ute Mountain Ute Tribe. Working with a team of professional grant writers for 25 years that have generated more than \$1 BILLION in grant funding for clients, she has been nationally recognized for social innovation and leadership excellence by the US Department of Interior, Bureau of Indian Affairs in connection with the Tiwahe Initiative, as well as Encore.org as a 2010 and 2014 Purpose Prize Fellow sponsored by the Atlantic Philanthropies and John Templeton Foundation. <https://encore.org/purpose-prize/beverly-santicola-2/> In her role as Grants Consultant, Santicola also provides facilitation services for multiple grant funded programs communicating regularly with federal government officials to assure systemic integration and the implementation of coordinated service delivery systems. Since 2001, Beverly Santicola has trained more than 6,000 staff and volunteers from nonprofit organizations throughout United States and Puerto Rico, including government agencies, national associations, educational institutions, health care providers, churches, faith-based organizations, other nonprofits, and Native American Tribes. Over the past twenty years, Santicola has provided training for organizations such as the US Department of Health & Human Services; US Department of Interior-Bureau of Indian Affairs; White House Office of National Drug Control Policy – High Impact Drug Trafficking Areas; US Department of Defense-Western Region Counterdrug Training Center; Cisco; Westcon Group; Gridless; Springfield City Schools; Native American Development Corporation; County of Kaua'i; National Tropical Botanical Gardens; Texoma Council of Governments; Wayland Baptist University; Bank One and Chicago Public Schools. Santicola has led several projects that won national awards for excellence, including AFL-CIO National Labor Management Award, the Work in America – Search for Excellence Award, the Best Practices Award from the US Department of Education and Labor, the Governor's Award for Team Excellence, and 2010 and 2014 Purpose Prize Fellowship.

Education

International Business College - 1967-1969

Received a diploma in General Business from the college located in Fort Wayne, Indiana



Russell McElreath, CCP

Cost Estimating Project Manager

Summary of Qualifications

Russell has over 23 years of experience providing cost estimating services. Along with overseeing day-to-day activities of the estimating staff in a branch office, Russell is also an acting Project Manager and a Senior Cost Estimator.

Russell has directed and prepared cost estimates for new, existing, and special type facilities including hospitals, clinics, laboratories, various higher education buildings, public safety facilities, dormitories, libraries, K-12 schools, parking / garage structures, courthouses, airports, hangars, office buildings, warehouses, hardened structures, maintenance shops, and other facility types.

Specifically for Florida projects, Russell has been the Cost Estimating Project Manager along with Senior Cost Estimator and QA/QC Specialist for our Florida park projects for 15+ years. He is expert in the specialized aspects to consider when pricing for items that are unique to Florida weather.

Sample Experience

Jacksonville Riverfront Plaza Design, Jacksonville, FL. Multi-phase cost estimating for the redevelopment of the existing Riverfront Landings with a new café / beer garden pavilion and restroom. The café will have a landscaped roof providing pedestrian access with a large, landscaped greenspace with multiple view / relaxation areas. \$43M.

Optimist Park Redevelopment, Miami Lakes, FL. Cost estimating services for this Redevelopment which included a new 5,000SF multi-purpose building with concessions and restrooms, five (5) baseball fields (375,788SF total), a 8,510SF Airnasium, new basketball courts, expansion of an existing parking lot, new landscaping and many site improvements including trails, walkways, fencing exercise stations, benches and more. \$17.4M.

Doral Central Park Amphitheater, Doral, FL. Order of Magnitude cost estimate for the open-air, covered project including restroom/storage facilities and green space. Included three separate Conceptual Designs/Costs ranging from \$5.7 to \$7.6M.

Truman Waterfront Upland Improvement, Key West, FL. Cost Estimating & Master Plan Program Cost Estimates in support of the development of a portion of surplus Navy property known as the Truman Waterfront Upland Parcels, located in Key West, Florida. Features include 23 acres of developed waterfront property for mixed use, retail, parks, and a cruise port. Included services were performed for landscape, sub-surface / infrastructure, utility design; roads and pedestrian access; ecological and environmental; amphitheaters / event plazas; waterfront design; alternative supplemental energy sources, and recreation / historic areas.

Education

- BS, Construction Management
- Trained - Success Estimator, MII, PACES

Certification

- Certified Cost Professional (CCP), #2950

Years with Firm: 22

Years Experience: 24

Additional Projects

- Sullivan Park Expansion, City of Deerfield Beach FL
- CW Thomas Park Redevelopment, City of Dania Beach FL
- Downtown Doral Triangle Cultural Arts Center and Park, Doral, FL
- City of Doral Central Park Amphitheater
- City of Miami Springs Aquatic Facility
- City of Miami Springs Senior Center



Julian G. Ortega, PSP, LEED AP

SCHEDULING & CLAIMS ANALYSIS MANAGER



Years of Experience/with PCI

27+/11

Areas of Expertise

Program & Construction Scheduling
Claims Evaluation & Analysis
Risk Management
Construction Phasing
Project Management
Contract Administration
Financial & Budget Management
Cost Engineering

Types of Projects

Aviation
Port & Marine
Transit
Governmental & Institutional
Educational
Water and Wastewater

Licenses/Certification

PSP - Planning & Scheduling Professional
CCC - Certified Cost Consultant
EVP – Certified Earned Value Professional
LEED® AP - U.S. Green Building Council
SAFETY - OSHA 30 Hour Certified

Education

MBA, Florida International University, 2007

BS, Construction Management, Western Michigan University 1996

Software & Systems

Primavera P6
MS Project
Schedule Analyzer Pro, Acumen, Zimmer
Expedition
Prolog/Proliance

PROFESSIONAL BACKGROUND

Julian has a wide spectrum of experience in the engineering & construction industry for over 27 years specializing in project controls and project management including an extensive knowledge of CPM scheduling on very large and complex programs. He has led key roles on many multi-billion-dollar programs in airports, ports, water & wastewater, power plants, manufacturing facilities and commercial and residential construction. He also has experience in several project delivery methods ranging from Program Management to Design-Build, including CM at Risk and for fee. Some of his specific skill sets include overall project planning, construction phasing, program and construction scheduling, contracts management, change management, claims/dispute resolution, risk management, and quality assurance/quality control. He has developed construction procedures, processes, systems and has also been involved with several claims analysis, value engineering and constructability studies.

EXPERIENCE

Consent Decree Program for Miami Dade Water and Sewer Department, Miami, Florida

Scheduling Manager. The \$2 billion CD Program is an expansion of the Water & Sewer Department Collection, Transmission and Treatment systems as required by the Consent Decree with the EPA. This large and complex program spans over 10 years and includes over 180 projects. Due to very high penalties associated with the set project milestones in the Consent Decree, the schedule coordination, management and control of various projects became crucial to the success of the program. Responsible for overall development of the program baseline schedule; including all updating, monitoring, tracking and reporting. Supports the program validation efforts and provides all program schedules reporting information to EPA, Miami-Dade County and other stakeholders. Developing scheduling procedures, specifications, manuals and guidelines; conducting workshops, reviewing contractors' schedules, change proposals and claim mitigation.

Terminal 5, Ft Lauderdale Hollywood International Airport, Broward County, Florida

Scheduling and QA/QC Manager. The new \$400 Million Terminal 5 project includes 180,000 SF of new terminal space with passenger processing, hold rooms and concessions, 5 domestic gates, connector to Terminal 4 and Concourse G with associated landside, apron, and aircraft parking work. Responsibilities include developing and managing planning, design and construction schedule, monthly tracking and reporting, review of contractor baselines and monthly updates, claims review and support and propose recovery plans, monitor and report cash flows, variances and forecasts.

Premium Mobility Program, Broward County Transit, Ft Lauderdale, Florida

Scheduling Manager. Broward County Transportation Department's (BCT) \$4.4 Billion Capital Projects under the ambitious and challenging PREMO (Premium Mobility) Plan are funded by a 30-year Transportation Surtax to provide various Capital Projects including approximately 32.6 miles of Light Rail Transit (LRT) and Commuter Rail, 150 miles of Bus Rapid Transit (BRT), new transit service systemwide. Responsibilities include developing and managing Program Master Schedule and cashflow, providing monthly tracking and reporting, review of contractor baselines and monthly updates, claims review and support and propose recovery plans, monitor and report cash flows, variances and forecasts.

Cruise Terminals B, F and V, Port of Miami, Miami-Dade, Florida

Scheduling Manager. The \$1 billion CIP is to renovate and build several new Cruise Terminals. Responsibilities include development of conceptual schedule for project feasibility, review of CMAR's GMP baseline and progress updates, critical paths and assessment of float, review of contractor's baseline, critical path analysis, progress updates, ensuring contract compliance and Time Impact Analyses. Also review potential impacts and risks and provide recommendations on mitigation and opportunities for schedule compression and acceleration.



DAVID MORENO, PE

Project Management Lead



YEARS WITH CES:

<1

YEARS WITH OTHER FIRMS:

12.5

EDUCATION

MBA, University of Florida, 2023

BS, Civil Engineering, University of South Florida, 2011

REGISTRATIONS & CERTIFICATIONS

Florida Professional Engineer
#91677, 2021

SOFTWARE/TECHNICAL SKILLS

Civil 3D

AutoCAD

Interconnected Pond Modeling,
H&H Modeling & Stormwater
Modeling (ICPR 4)

Mr. David Moreno brings over 13 years of experience in civil engineering, transportation infrastructure, stormwater management, and land development. He has led design, hydraulic modeling, permitting, and construction coordination for municipal and private-sector projects, ensuring compliance with FDOT, SFWMD, and municipal standards. His expertise includes pavement design, traffic control planning, utility coordination, roadway grading, drainage analysis, and construction quality assurance. With advanced technical skills in AutoCAD Civil 3D and ICPR4 stormwater modeling, David applies an analytical, solutions-driven approach to delivering safe, efficient, and sustainable infrastructure projects.

Experience includes:

City of Aventura, NE 191st Street Drainage & Roadway Improvements, Aventura, FL: Deputy Project Manager providing engineering design and technical support for the hardening and flood mitigation of the NE 191st Street system, a low-lying area prone to recurrent flooding due to sea level rise and storm events. The project includes stormwater infrastructure improvements, roadway elevation adjustments, and resilience measures to enhance mobility, safety, and long-term sustainability. Key project components include the development of a new stormwater collection system, hydraulic modeling, roadway hardening through elevation adjustments, and coordination with existing utilities. The project also integrates water quality infrastructure, traffic signal upgrades, and public engagement efforts to ensure alignment with community needs. David is providing project management, design, permitting, bid phase support, and construction coordination services to deliver a flood-resilient roadway and improve emergency access while supporting the City's future urban development.

City of Homestead, Water & Sewer Infrastructure Master Planning (Contract 201307), Homestead, FL: Deputy Project Manager providing comprehensive hydraulic modeling and master planning services for the City of Homestead's water and wastewater infrastructure. The project aims to evaluate system capacity, identify the impacts of future developments, and streamline connection requests. Scope of work includes data collection and system analysis, hydraulic modeling using WaterGem and SewerGem, vulnerability assessments to identify critical infrastructure risks, and capital improvement planning (CIP) to prioritize system upgrades. CES will analyze existing and future water distribution and wastewater collection systems, assess lift stations and pump stations, evaluate interconnections, and develop system performance criteria. Deliverables include a prioritized CIP with phased recommendations, cost estimates, and a comprehensive Water and Wastewater Master Plan Report, incorporating findings, models, and strategic planning for long-term system improvements. CES will coordinate closely with City staff, provide technical training, and ensure seamless project execution to enhance Homestead's infrastructure resilience and operational efficiency.

City of Cooper City, SW 49th Street Culvert Replacement Design-Build, Cooper City, FL: Deputy Project Manager. The JVA-CES Design-Build team is providing design, permitting, construction, and restoration services, including embankment stabilization, roadway reconstruction, and utility coordination for this project that replaces the failing single 15-foot-diameter corrugated metal culvert at the C-11S Canal with a new aluminum corrugated metal pipe (CMP) culvert. David is helping lead the design and permitting efforts.



David Scott, PE | Project Management Lead

David is the Office Manager and a Project Manager in the Palm Beach Gardens, Florida office. His expertise includes project planning and management, project monitoring and controls, and quality assurance. During his career, David has gained extensive expertise in the fields of water resources engineering, hydraulic/hydrologic modeling, permitting, design, and construction.

KEY RELEVANT EXPERIENCE

Transmission Line Civil Improvements, Florida Power & Light (FPL) Group, Jupiter West, FL.

Project Manager. David supervised a team of engineers and was the engineer of record for the design of the Transmission Line civil improvements for the Sunbreak, Finca and Road Runner projects. Improvements consisted of replacement and extension of existing culverts, design of access roads and construction equipment pads. The project required coordination with the environmental and geotechnical consultants contracted by FPL. Prepared drainage reports and hydraulic calculations to size the culverts and for use in permit applications submitted to the FDEP and local drainage districts.

Transmission Line Civil Improvements – Culvert Replacements, Florida Power & Light (FPL) Group, Jupiter West, FL.

Project Manager. David was the project manager and engineer of record for the design of culvert replacements for Transmission Line access. Tasks included preparation of construction plans, drainage reports and hydraulic calculations to size the culverts and to be used for permit applications to the FDEP.

Solar Projects, Florida Power & Light (FPL) Group, Various Locations, FL

Project Manager. David was the project manager and engineer of record for the construction plans and drainage reports for civil improvements for 26 solar energy projects in Central Florida. Prepared drainage reports and hydraulic calculations to size the culverts and to be used for permit applications to the FDEP.

Everglades Mitigation Bank, Florida Power & Light (FPL) Group, Homestead, FL.

Project Manager. Supervised a team of engineers and field personnel during the design and construction of a portion of Phase II of the Everglades Mitigation Bank. The project included the design and construction of 40 water control structures through the SFWMD L-31E Levee, a crocodile nesting site, and removal of roads in sensitive wetland areas. This project required extensive coordination between project Qualified Mitigation Specialist, FPL personnel, and contractors.

Master Surface Water Management System for the Abacoa Development of Regional Impact, Northern Palm Beach County Improvement Department (NPBCID), Jupiter, FL.

Project Engineer. This project has a drainage basin of over 2000 acres and consists of seven sub-basins. Provided the technical expertise to determine drainage basin boundaries and characteristics necessary to design, permit, and construct a Master Surface Water Management System for the project. Prepared numerous SFWMD ERP permit applications to modify the permit for new phases of the project. Upon completion project certified compliance of the project with the ERP Permit.

RS-G341 Conveyance Improvement Project/Phase 1 – Bolles East (L16) Canal – Segments 1, 2, 3 and 4, SFWMD, Belle Glades, FL.

Project Manager and Engineer of Record. The Bolles Canal project consisted of development of a conceptual design and hydraulic modeling of the expansion of approximately 9 miles of the Bolles East (L16) Canal from the North New River to the Hillsboro River. Upon completion and approval of the conceptual design, construction plans for Segments 1, 2, 3, and 4 (approximately 8 miles) of the canal were completed. The project required extensive coordination with adjacent property owners to relocate existing adjacent farm ditches and culverts and to ensure that the existing drainage systems are functional during construction.

Civil Design and Permitting, L-8 Reservoir Design-Build Project - Pump Station, Inflow Control Structure and Reservoir Improvements, SFWMD, Loxahatchee, FL.

Project Manager. The project is a \$64M fast track design-build project to construct the inflow and outflow infrastructure for a 1000-acre reservoir with over 45,000 acre-feet storage. The project consisted of construction of the 3000 CFS G-538 Inflow Gate Structure, the 450 CFS G-539 pump station, five miles of Roller Compacted slope protection, 160-foot two lane bridge and extensive erosion and slope protection for discharges into the existing canal.

YEARS OF EXPERIENCE

28 Years

YEARS WITH JACOBS

17 Years

EDUCATION AND TRAINING

» BS, Agricultural and Biological Engineering, University of Florida

REGISTRATIONS | CERTIFICATIONS

» Professional Engineer: FL (#58166)



NIKOLAI GAGE, PE

Engineering Design Lead



YEARS WITH CES:

<1

YEARS WITH OTHER FIRMS:

9.75

EDUCATION

MS, Engineering Management,
Florida International University,
2014

BS, Civil Engineering, Florida
International University, 2012

REGISTRATIONS & CERTIFICATIONS

Florida Professional Engineer
#85070, 2018

SOFTWARE/TECHNICAL SKILLS

AutoCAD

Microsoft Office Suite

Mr. Nikolai Gage is a licensed professional engineer with 10 years of experience in civil infrastructure design, construction management, and condition assessment, with a focus on water and wastewater systems. His work spans civil site development, yard piping design, utility relocation, and surface restoration for treatment plant upgrades and pump station rehabilitation. He has performed detailed inspections and assessments of mechanical, electrical, and structural components of sewer infrastructure, supported asset management and capital planning efforts, and managed construction activities including scheduling, permitting, and coordination with regulatory agencies. Proficient in AutoCAD and Microsoft Office Suite, Nikolai brings a strong understanding of both design and field implementation. His technical expertise, field insight, and collaborative approach consistently deliver practical, cost-effective solutions that help clients achieve project goals, maintain compliance, and improve infrastructure performance.

Experience includes:

MDWASD, Capacity, Management, Operations, and Maintenance (CMOM) Inspections, Miami-Dade County, FL: Project Engineer. As part of Miami-Dade Water and Sewer Department's (MDWASD) CMOM (Capacity, Management, Operations, and Maintenance) program, performed inspections and condition assessments of over 25 sewer pump stations, including local, regional, and booster stations. Work included comprehensive evaluations of mechanical, electrical, and structural components, along with detailed inventory documentation. The collected data was used to update MDWASD's internal asset management database, helping to prioritize maintenance needs, enhance system reliability, and support future capital planning efforts.

MDWASD, Pump Station Improvement Program (PSIP), Miami-Dade County, FL: Construction Manager/Junior Engineer. Provided engineering and construction management services for the rehabilitation and upgrade of more than 70 sewer pump stations and associated force mains. Work included field assessments, technical reporting, and coordination of permitting and construction activities. Responsibilities included preparing engineering reports; remedial action plans; and initial quantity takeoffs for Sewer System Evaluation Surveys (SSES), Cured-in-Place Pipe (CIPP), Dig and Replace (D&R), and manhole replacements (MHs); and overseeing construction activities such as concrete pours, pressure testing, and pump station start-ups. Additional tasks included developing a pumping rate hydrograph to evaluate operating conditions, reviewing schedules, pay applications, and change orders, and conducting bi-weekly construction meetings to ensure timely and compliant project delivery. He also served as a field inspector for the 54-Inch Redundant Sanitary Sewage Force Main Project for the City of Miami Beach.

MDWASD, NDWWTP Oxygen System CP3 (Consent Decree Projects 3.03 & 3.04), North Miami, FL: EOR. Provided site and yard piping design for the Oxygen Tank and Yard Piping Cleaning and Rehabilitation project at the North District Wastewater Treatment Plant (NDWWTP), under the Consent Decree 3.03 and 3.04 Oxygen Trains and Oxygen Production Facility upgrades. Responsibilities included the development of site layout plans and the evaluation and recommendation of appropriate rehabilitation methods for large-diameter primary clarifier effluent piping, as well as oxygen tank influent and effluent piping. The work also included design for surface restoration to ensure full site functionality and compliance with operational and environmental requirements. These improvements supported critical infrastructure upgrades required to enhance plant performance and meet Consent Decree mandates.



Shawn Waldeck, PE | Engineering Design Lead

Shawn has over 40 years of progressive, professional engineering and construction experience dedicated to the highest level of client service. His most recent assignments are associated with major Total Project/Program Delivery and Alternative Project Delivery Teams where his management skills and experience are complemented by a strong technical background and a focus on customer satisfaction delivering safe, quality, and reliable projects meeting demanding budget and schedule objectives. Shawn's assignments have been dedicated to environmental restoration, flood control, and water resource engineering in Florida and the Caribbean for the South Florida Water Management District (District) and U.S. Army Corps of Engineers (USACE).

YEARS OF EXPERIENCE

40 Years

YEARS WITH JACOBS

20 Years

EDUCATION AND TRAINING

» MS, Civil/Structural Engineering,
University of Rhode Island

» BS, Civil/Structural Engineering,
University of Rhode Island

REGISTRATIONS | CERTIFICATIONS

» Professional Engineer: FL
(#46135), RI, CT, MA

KEY RELEVANT EXPERIENCE

EAA Storage Reservoir, STA, Pump Station, Inflow Control Structure, West Palm Beach, FL

Principal Engineer. Technical support for Planning of a \$1.4B – Central Everglades Planning Project including a 240,000 acre-feet storage reservoir for Everglades Restoration. Project includes the development of wind generated wave analysis to develop freeboard requirements. Project studies included freeboard analysis and design of the embankment to withstand wind-generated waves, overwash and climate/PMP evaluations. This project received Congressional Authorization in 2018 WRDA recently passed by Congress.

Everglades Agricultural Area Storage Reservoir A-1, South Florida Water Management District (SFWMD), West Palm Beach, FL

Client Project Manager. Shawn responsibilities included Acceler8 Program Management office for fast-track design and construction of a 190,000-acre-foot storage reservoir for environmental water supply deliveries to the Everglades and provide water supply benefits and flood attenuation. The multi-year project included involvement from planning and permitting to modeling, design and construction of major off system dam and pump station facilities to store water in a reservoir impoundment.

Everglades Agricultural Area Regional Feasibility Study, SFWMD, West Palm

Beach, FL

Project Manager. Acceler8 Program for the Regional Feasibility Study to balance flows and nutrient loading to the EAA system of STAs. The study was critical to identify additional treatment capabilities within the existing system as well as opportunities for system efficiency including conveyance and pumping stations with additional Acceler8 projects while meeting the requirements of federal mandates including the Everglades Forever Act.

Engineering Services to Support Restoration Strategies Program, SFWMD, West Palm Beach, FL

J-Tech Project Manager. Restoration Strategies Contract to provide engineering support services, including study, evaluation, preliminary and final design, bidding services and support during construction. Shawn is responsible for managing the District contract and distributing work order assignments. Shawn will also serve as the Team leader for major reservoir projects and assists in moving the assignments from scope development through construction.

C-43 West Basin Storage Reservoir Project and Site Management Support, SFWMD, LaBelle, FL

Project Manager. for design and construction of a 170,000 acre-feet storage reservoir, 1,500 cfs pump station and water quality treatment for restoration of the Caloosahatchee River and Coastal Estuary. Assisted the District Project Manager in developing a program management approach to delivering multiple ongoing projects as design for the major reservoir was being completed. Site management activities include the development of a QA/QC program suitable to Corps Standards for dam construction and assisting the District with instituting a robust safety program for contractors and site management team members alike.

Inflow Control Structure and Reservoir Improvements Design-Build Project, L-8 Reservoir, Pump Station; SFWMD, Palm Beach County, FL

Design Manager. for fast-track design and construction of a 45,000 acre-feet storage reservoir for environmental water supply deliveries to the STA 1E.



RAFAEL URDANETA

Construction Management/CEI Lead



YEARS WITH CES:

3.5

YEARS WITH OTHER FIRMS:

33.5

EDUCATION

Construction Management
Certification, Florida Atlantic
University, 2007

BSCE, Universidad Rafael Urdaneta,
Venezuela, 1987

CERTIFICATIONS & TRAINING

TIN: U63573061

Stormwater Management Inspector

FES Stormwater Management
Designer

FDOT Local Agency Program &
FHWA Certification

CTQP Asphalt Paving Levels 1 & 2

CTQP Drilled Shaft Inspection

CTQP Earthwork Construction
Inspection Levels 1 & 2

CTQP Final Estimates Levels 1 & 2

CTQP QC Manager

Excavation & Safety OSHA Certified

USACE Construction Quality
Management for Contractors

FHWA-NHI Safety Inspection on
In-Service Bridges

ACI Concrete Transportation
Construction Inspection

Natural Resources Management,
L'Università degli studi di Urbino
Carlo Bo, Italy, 1988

Maintenance of Traffic, Advanced
IMSA Traffic Signal Inspector

Mr. Rafael Urdaneta brings 37 years of engineering experience across design, construction management, project administration, and construction engineering inspection (CEI). He has worked on a wide range of public and private projects, including buildings, wastewater facilities, utilities, stormwater and drainage systems, water distribution systems, malls, high-rise buildings, petroleum platforms, subdivisions, and medical centers. Mr. Urdaneta has managed construction and maintenance projects throughout FDOT Districts 4 and 6, as well as for the Miami-Dade Expressway Authority (MDX), and various municipalities including the Cities of Miami Beach, Fort Lauderdale, Hialeah, Delray Beach, North Miami, Miramar, and Pembroke Pines, along with Palm Beach and Miami-Dade Counties. He is proficient in a variety of technical software, including AutoCAD, Microsoft Office, Bluebeam Revu, SiteManager, MAC, PTS, HY-8, and WMS.

Experience includes:

City of Hollywood, Liberty Street Improvements, Hollywood, FL: Construction Project Manager/Contract Support Specialist for the Broward County Transportation Surtax Municipal Rehabilitation and Maintenance (R&M) project that includes approximately 350 LF of sidewalk replacement, ADA upgrades, drainage/stormwater repairs, and pavement resurfacing on Liberty Street between N 33rd Avenue and N 31st Avenue to benefit pedestrians and drivers. The City of Hollywood selected CES to provide ongoing CEI/CPM services for primarily Surtax and LAP funded roadway projects, which include stormwater and drainage improvements.

City of Miami Beach, Resident Project Representative Services for Indian Creek Phase III, Miami Beach, FL: Construction Project Manager/Administrator overseeing field inspection, responding to RFIs and submittals, managing material acceptance, documentation, and project closeout. Ensured compliance with schedule and budget. Project involved flood mitigation and drainage improvements from 25 St. along Collins Ave. to 41 St. along Indian Creek Drive, including roadway elevation, property harmonization, new stormwater system, pump stations, signalized intersection upgrades, pavement markings, landscaping, pedestrian features, bulkhead wall, MOT, and erosion control.

SFWMD, CPM/CEI for Homestead Field Station, Phase 1, Homestead, FL: Director of CEI for the construction management of the Homestead Field Station Building Replacement Design-Build project. This project consists of the demolition of three existing buildings (B-230, B-96 and B-33) and the construction of replacement buildings totaling 17,802 SF at the Homestead Field Station. The new buildings include office space, fleet service bays, structure maintenance service bays, storage areas for land management and canal levee, emergency generator and generator room, restrooms, locker rooms, asphalt restoration, abandonment of existing facility septic tanks and connection to city sewer including construction of a lift station, and new fuel tanks and fuel dispensing pumps. Site development includes drainage and stormwater accommodations and a stormwater retention pond.

SFWMD, CPM/CEI for Homestead Field Station, Phase 2, Homestead, FL: Director of CEI for the construction management of this project, which completes the overall master plan and projects for the site. The Phase 2 construction includes the demolition of existing buildings B-40, B-60, and B-148 and the construction of a new administrative office building, a new service garage building with new welding areas, a new vehicle service port/wash station, a new dock and launching area, removal of the failing rip rap at the canal bank and hardening of the canal bank to provide future use and access to the C-103 canal, fencing, controlled gate access, and surveillance systems to meet SFWMD's standard security level, new asphalt and concrete pavement to accommodate equipment maneuvering clearances, new utilities infrastructure, and a new stormwater management system, including retention, exfiltration, and sewer systems.



MARIO NUÑEZ

Construction Management/CEI Lead



YEARS WITH CES:

1.5

YEARS WITH OTHER FIRMS:

28.5

EDUCATION

Civil Engineering, Havana University, Structural Engineering, (6 Semesters, Non Degree)

Florida International University, 112 Credits towards a B.S. in Civil Engineering (1999, Non degree)

CERTIFICATIONS & TRAINING

TIN: N52054059

CTQP Earthwork Construction Inspection – Level 1

CTQP Asphalt Paving Technician - Levels 1 & 2

CTQP Pile Driving Inspection

CTQP Drilled Shaft Inspector

CTQP QC Manager

CTQP Final Estimates - Levels 1 & 2

FDOT TTC/MOT – Advanced

FDOT Leadership Academy

FDOT Project Engineers School

ATTSA Traffic Control Supervisor

Troxler Nuclear Moisture Density Gauge

FDEP Qualified Stormwater Management Inspector

Mr. Mario Nuñez is a seasoned professional with over 30 years of expertise in construction management and construction engineering inspection (CEI), specializing in bridge and roadway construction and reconstruction projects. With more than 25 years as a project manager, project administrator, and contract support specialist, he has led contract administration, supervised construction activities, and managed technical and administrative project files. Mario's extensive experience includes coordinating large-scale projects for FDOT Districts 4 and 6, the Florida Turnpike, MDX, and the City of Miami. His responsibilities have encompassed progress estimates, claims analysis, stakeholder coordination, quality assurance, and final estimates, demonstrating a comprehensive skill set crucial for successful project delivery.

Experience includes:

City of Miami Office of Capital Projects Program/Project Management Services, Flagler Street Beautification, Miami, FL: Senior Project Manager supporting this approximately \$32M project located along Flagler Street from Biscayne Boulevard to NW 1st Avenue in the heart of Downtown Miami. The project scope includes full roadway reconstruction to create a curbless, festival-style street by raising the roadway to match sidewalk grade and installing decorative pavers throughout the travel lanes. Streetscape enhancements include expanded sidewalks, new LED lighting, upgraded signage, public art, shade trees, and outdoor café seating. The project also upgrades storm drainage to mitigate flooding and installs new underground utilities—power, gas, and fiber optics—to support future development. Designed to accommodate block-by-block street closures for public events, the revitalized corridor balances pedestrian comfort with urban functionality, transforming Flagler Street into a flexible, high-amenity civic space.

City of Miami, NW 14th Street Reconstruction, Miami, FL: Construction Manager/Project Administrator responsible for administering contract, coordination of all construction activities with contractors and other agencies, review of contractor's invoices, supervision of assigned personnel, conducting meetings, and preparing reports. Also attended meetings and actively assisted with issues involving stakeholders affected by construction activities.

FDOT D6 LAP & ARRA Projects Auditor, Miami-Dade County, FL: Construction Manager/Project Administrator responsible for reviewing Construction Compliance and Specifications adherence on dozens of Federal Aid projects throughout Miami-Dade County. Responsible for project documentation and materials certification audits. Also responsible for field reviews and preparation of necessary reports and correspondence.

Miami-Dade Expressway Authority (MDX) General Engineering Consultant (Job# 49924 & 60770), Miami, FL: Construction Manager responsible for the management of the CEI firm on limited access road extension which included two new bridges and approximately 1.5 miles of urban street reconstruction. Responsible for the quality assurance (QA) review of contract changes and claims and review and approval of invoices, among others. Also acted as a liaison between the Contractor, the CEI, and the client. Responsible for generating reports as required and provided public information support. Performed QA reviews on the project administrative and technical files, providing recommendations as required.

FDOT D4 I-95 Express Phase 3B2 (Job# E4T19), I-95 Express Lanes & Ramp Signals-Phase 3B-2, West Palm Beach, FL: Senior Project Administrator/Construction Manager for a \$150M project on I-95 from South of Glades Road to South of Linton Blvd. which consists of six miles of reconstruction of a limited access facility and the addition of a high value priced lane on each direction. Responsible for contract administration, coordinating construction activities, preparation of monthly estimates, supplemental agreements preparation assistance, and work orders, conducting meetings, supervising inspection personnel, and maintaining project files for ITS, Tolling, Signalization, and Lighting.



JORGE ZURITA, CGC

Project Manager/Construction Manager



YEARS WITH CES:

4.25

YEARS WITH OTHER FIRMS:

30.75

EDUCATION

BS, Construction Management
with Honors, Florida International
University, 1995

AA, Architecture with Honors, St.
Petersburg Junior College, 1992
Architectural Graphics & Models,
New Jersey Institute of Technology,
1986

REGISTRATIONS, CERTIFICATIONS & TRAINING

Florida Certified General Contractor
#CGC1526982, 2018

State of Florida Real Estate
Associate #SL3310949, 2014

USACE/NAVFAC Construction
Quality Management for
Contractors

OSHA 500 Safety Trainer in
Construction

Certified ISO 9001 Internal Auditor

AIA/CES Registered provider (J510)
Is it Really Green (Program 00006)

Management Commitment &
Employer Involvement

EAP of South Florida DOT (49 CFR
382.307) Reasonable Suspicion
Drug Testing Training for
Supervisors

American Galvanizers Association
Certification

PROFESSIONAL ASSOCIATIONS

Project Management Institute
Association

FIU Department of Construction
Mgmt. Industry Advisory Council

Mr. Jorge Zurita, a Florida-certified general contractor, is a professional senior program construction manager with over 35 years of combined construction industry experience building large and complex projects. His vast experience includes high rises, bridges, roads/highways/rail, sports stadiums and arenas, performing arts/theaters, warehouses, retail spaces, commercial uses, residential, airports, parking garages, and cargo building facilities. Jorge is experienced in managing the construction of building, roadway infrastructure, sea-level rise infrastructure, and drainage projects. He has used his diverse senior leadership background in program management, construction management, corporate quality management and safety, project planning, scheduling, contract administration, budgeting, and cost control to deliver successful projects.

Experience includes:

City of Miami Office of Capital Projects Program/Project Management Services, Miami, FL: Senior Project/Construction Manager supporting this contract. As part of this contract, CES staff are acting as agents of the City of Miami to assist with the undertaking of primarily Miami Forever Bond-funded projects, including roadways and right of ways, parks, municipal facilities, public facilities, public safety facilities, environmental, and sea-level rise, and flood prevention infrastructure projects, as well as other capital project as assigned by the City's Office of Capital Improvements.

South Florida Water Management District (SFWMD), CPM/CEI for Homestead Field Station, Phase 1, Homestead, FL: Sr. Construction Project Manager for the construction management of this project, which consisted of the demolition of three existing buildings (B-230, B-96 and B-33) and the construction of replacement buildings totaling 17,802 SF at the Homestead Field Station. The new buildings include office space, fleet service bays, structure maintenance service bays, storage areas for land management and canal levee, emergency generator and generator room, restrooms, locker rooms, asphalt restoration, abandonment of existing facility septic tanks and connection to city sewer including construction of a lift station, and new fuel tanks and fuel dispensing pumps. Site development includes drainage and stormwater accommodations and a stormwater retention pond.

CPM/CEI for Miami-Dade Aviation Department/Miami International Airport's South and Central Terminals Baggage Handling System Program, Miami, FL: Sr. Construction Manager for construction of the \$200M project. Work includes construction of a new 60,000 SF facility to serve as the CBIS/CBRA for a fully renovated South Terminal baggage handling system (BHS) and a new Central Terminal baggage handling system, each of which are also part of the project. Other key elements to the project involve renovations to the existing facility to make accommodations for the South and Central BHS and the construction of a new control room to support the BHS. The project included drainage and stormwater accommodations. Site development included new stormwater and drainage construction that tied into the stormwater system master plan.

CPM/CEI for Miami-Dade Aviation Department/North Terminal Development Consolidation Program, Miami, FL: Sr. Construction Manager for this program that comprised 15 airside and landside projects designed by five different firms. The MIA North Terminal Development Consolidation Program (NTDCP). The MIA NTDCP was one of the largest construction programs in South Florida consisting of pre-construction and construction services to build the one-mile-long MIA expansion, which included the construction of new structures, renovation of the existing terminal and improvement of equipment and systems for a total of 51 gates. Site development included new stormwater and drainage construction that tied into the stormwater system master plan.



RIGOBERTO FUENTES

Project Manager/Construction Manager

YEARS WITH CES:

2.75

YEARS WITH OTHER FIRMS:

17.25

EDUCATION

B.S., Civil Engineering,
Polytechnic University of Puerto
Rico, 2005

CERTIFICATIONS

OSHA 30-hour Construction
Certification

SKILLS

MS Office
Proliance Construction (PCTS)
ProCore
AutoCAD

Mr. Rigoberto Fuentes is a dedicated construction management professional with over 20 years of experience in water and wastewater infrastructure. He brings strong skills in contractor oversight, system coordination, documentation management, and regulatory compliance. Rigoberto is a quick learner, effective communicator, and team-oriented leader known for managing complex infrastructure projects from planning through closeout.

Experience includes:

Miami-Dade County Water and Sewer Department (MDWASD), Ocean Outfall Legislation Program Management Services, Miami-Dade County, FL: Construction Manager. Part of the \$3.3 billion Ocean Outfall Legislation (OOL) Program Management team, an 11-year program with 28 capital projects that is the culmination of a 2008 regulatory mandate by the Florida Legislature to stop all wastewater discharge to the ocean by 2025. As a result of this mandate, MDWASD has been implementing system-wide wastewater facility upgrades through the OOL program. Rigoberto was assigned to Task S11 CM – ST-2B at the South District Wastewater Treatment Plant (SDWWTP) involving critical infrastructure improvements to enhance wastewater treatment and disinfection capabilities. The scope includes construction of a new junction box and Clarifier 12, with provisions for a future clarifier; modifications to RAS Pump Stations 1 and 3; installation of six new filters; and yard piping upgrades throughout the plant. Key components of the work include civil improvements such as shoring, dewatering, pile installation, site grading, and pavement upgrades; structural work for new concrete facilities and foundations; mechanical installations of clarifier and filtration systems; and electrical and instrumentation upgrades including SCADA integration, lighting, and power distribution for new equipment. The project also includes HVAC modifications and the implementation of a site life safety plan to accommodate the new systems. These enhancements aim to improve plant capacity, operational reliability, and compliance with environmental regulations.

MDWASD, Consent Decree Program, Miami-Dade County, FL: Construction Manager. MDWASD entered into a federally-mandated 15-year, \$1.6B investment with the U.S. EPA for a Consent Decree Program aiming to address aging infrastructure, prevent sanitary sewer overflows, and comply with environmental regulations. Projects involve upgrades to wastewater treatment plants (WWTP), pump stations, and sanitary sewer force mains across the county. This role involved oversight of multiple contractors to ensure work progressed in accordance with contract documents, specifications, and regulatory requirements while maintaining the high safety standards established by the Consent Decree Program/Construction Management (CD PM/CM) team and MDWASD. Responsibilities encompassed day-to-day construction oversight, including reviewing contractor schedules and progress, managing coordination between the owner and contractors for system shutdown plans, and ensuring alignment with all building and permitting agency requirements. Technical documentation such as submittals, RFIs, design notices (DNs), non-conformance reports (NCRs), and corrective action reports (CARs) were meticulously tracked, reviewed, and logged. The position also played a key role in facilitating collaboration between the design consultant team and construction personnel, managing project-level potential change orders (PCOs), and supporting the Change Order Management team through reviews and recommendations. Payment applications and contractor correspondence were closely monitored for contractual compliance. Start-ups and commissioning activities were led and coordinated, as were regular meetings at weekly and monthly intervals to track issues and milestones. Project closeout efforts included leading the turnover of as-built drawings, O&M manuals, spare parts, warranties, and final documentation to MDWASD operations. Daily reports were reviewed and approved, and all project risks and progress updates were communicated consistently to senior construction and program managers.



Aaron Anderson, PE | Project Manager / Construction Manager

Aaron brings over 13 years of experience in civil infrastructure, including more than three years of senior project leadership for the University of Miami, Coral Gables Campus and extensive involvement in major capital improvement initiatives for Miami-Dade Water and Sewer infrastructure programs. His recent role overseeing a \$30+ million programmatic portfolio demonstrates a strong command of large-scale program management with full lifecycle oversight.

Aaron's strengths span the full project lifecycle—master planning, design, and execution—with a strong track record in construction oversight, stakeholder coordination, and process optimization. His technical background includes engineering design, modeling, and bid document preparation, making him a well-rounded leader with a sharp focus on client satisfaction and project excellence.

YEARS OF EXPERIENCE

13 Years

YEARS WITH JACOBS

1 Year

EDUCATION AND TRAINING

- » MS Environmental Engineering, Florida International University
- » BS Construction Management, Florida International University

REGISTRATIONS | CERTIFICATIONS

- » Professional Engineer: FL (#83810)
- » OSHA Training, 30 Hours
- » ASHI Certified in First Aid & CPR

KEY RELEVANT EXPERIENCE

University of Miami, Various Projects, Coral Gables, FL

Senior Project Manager. Develop, foster, and manage varied infrastructure, renovation, and new construction projects from conceptual design stages to final completion. Establish scope with university end users to set design parameters with architects, engineers, and contractors. Utilize lump sum and GMP contracts to negotiate and set terms for architect, engineer, and general contractor. Manage permitting process through City of Coral Gables and Miami Dade County. Manage contractor progress, payment processing, and change orders. Host, document, and attend construction progress meeting.

MDC Water and Sewer Department, Consent Decree Program, Miami, FL

Senior Construction Manager. Evaluated and directed the implementation of engineering construction drawings, contract specifications, and relevant local, state, and federal safety standards. Managed, negotiated, planned, and facilitated the work of an ENR Top 10 Specialty Contractor. Supervised construction inspectors, construction engineers as needed. Managed full time inspection services, and project progress documentation. Provided in-field owner representation and customer service. Managed the shop drawings and RFI review process. Managed contractor progress, payment processing, and change orders. Hosted, documented, and attend construction progress meeting.

MDC Water and Sewer Department, Consent Decree Program, Miami, FL

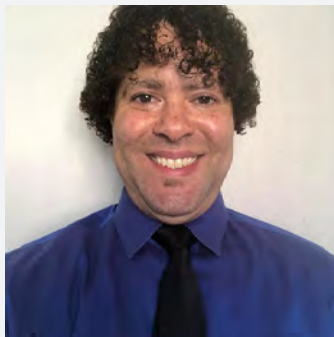
Construction Manager. Manage multiple million-dollar projects simultaneously within an active wastewater treatment plant. Specific responsibilities include: manage overall project risk; supervising multiple full time construction engineers and inspectors; lead pre-construction and other project meetings, including startups; preparing and reviewing contractors' payment request, reports, shop drawings, schedules, cost estimates, claims and change orders; preparing and reviewing monthly and weekly construction status reports; reviewing construction schedules and ensure adherence to contract requirements; updating project progress database.

MDC Water and Sewer Department, Pump Stations Improvement Program, Miami, FL

Construction Manager. Manage multiple active sites of sanitary pump station replacement and force main rehabilitation. Specific responsibilities include: supervising multiple full time construction inspectors; lead pre-construction and other project meetings, including startups; managing multiple field representatives; preparing and reviewing contractors' payment request, reports, shop drawings, schedules, cost estimates, claims and change orders; preparing and reviewing monthly and weekly construction status reports; reviewing construction schedules and ensure adherence to contract requirements; updating project progress database.

Miami-Dade Water and Sewer Department, Small Diameter Water Mains Evaluation and Enhancement Project Phases I and II, Miami-Dade, FL.

Lead Inspector and Owner Representative. Lead inspector and owner representative for the Department's 'Small Diameter Water Mains Evaluation and Enhancement Program' Phases I and II. Specific responsibilities included: water service design; contract document preparation; bid support; project information services; full time inspection, and project progress documentation; in-field owner representation and customer service; shop drawing review; RFI's; contractor progress payment processing; change order review; and attendance at construction progress meeting.



Darren Dyer, PE | Project Manager / Construction Manager

Darren has eighteen years of experience in various drainage, infrastructure, aviation, defense, and site development projects. He has assisted in the production of technical proposals, contract documents, including plans, specifications, cost estimates, and engineering reports for multiple projects. Darren also obtained construction and closeout permits for projects in Miami-Dade and Broward Counties from a variety of state and local agencies, as well as participated in construction administration activities, including site inspections, coordinating field changes, and construction closeout. He has experience in final design and post-design, as well as design-build experience as Owner's Representative tasked with preparing Concept Plans and Conceptual Permit Applications with Request for Proposals..

YEARS OF EXPERIENCE

18 Years

YEARS WITH JACOBS

5 Years

EDUCATION AND TRAINING

- » BS Civil Engineering, Florida International University
- » BS Aerospace Engineering, University of Florida

REGISTRATIONS | CERTIFICATIONS

- » Professional Engineer: FL (#73951)

KEY RELEVANT EXPERIENCE

I-75 from Griffin Road to Royal Palm Boulevard, Florida Department of Transportation, FL

Lead Drainage Engineer. Darren was responsible for development, coordination and production of drainage plans, drainage engineering design, analysis and environmental permitting support for the widening of I-75 between Griffin Road and Royal Palm Boulevard. The project scope included the widening of the I-75 mainline and ramps within the project limits, as well as canal dredging within the FDOT R/W.

NW 36th Street Drainage Improvements Project & NW 24th Avenue Push-Button Project, Florida Department of Transportation, District 6, FL

Project Manager/Lead Drainage Engineer (Engineer of Record). Darren was responsible for development, coordination and production of drainage plans, drainage engineering design, analysis and construction support for drainage improvements along SR 25 / NW 36th Street.

CR 862 / Vanderbilt Beach Road (from east of US-41 to west of Fontana Del Sol Way), Naples, FL

Drainage Engineer of Record. Responsible for development, coordination and

production of drainage plans drainage engineering design, analysis, and environmental permitting support for the widening (4 to 6 lanes) of CR 862 / Vanderbilt Beach Rd. Overcame permitting challenges and was able to obtain a permit for the project by demonstrating that despite an increased requirement in water quality treatment volume, sufficient treatment volume was already provided in the existing stormwater management system.

CR 862 / Vanderbilt Beach Road (from Collier Blvd to 16th Street NE), Naples, FL

Collier County Drainage Engineer of Record. Responsible for development, coordination and production of drainage plans, drainage engineering design, analysis and environmental permitting support for the reconstruction of CR 862 / Vanderbilt Beach Rd, including connecting portions of Massey Street, Wilson Blvd, 8th Street NE, and 16th Street NE. Project also includes existing canal relocation, new drainage structures, lighting, signalization, and three new bridges over Curry Canal, Corkscrew Canal, and Orange Tree Canal.

North Cruise Boulevard Extension / Bridge Fly Over Improvements, Port Miami, Miami-Dade County, FL

Lead Drainage Engineer. Responsible for drainage engineering design, analysis and permitting of a roadway and bridge “fly over” structure improvements project at the Port of Miami (PortMiami) to alleviate adverse traffic flow conditions for the Port’s current and future Cruise Terminal development program. The scope of work included roadway horizontal and vertical alignment, typical sections, drainage design, bridge design, miscellaneous structural design, lighting, signing and pavement markings, utilities coordination, water and sewer adjustment and relocation plans and maintenance of traffic. One of the challenges of the project is to deliver the project on time.

First Street/Bertha Street Roadway Improvements, Monroe County, Monroe County, FL

Lead Drainage Engineer. Responsible for drainage engineering design, analysis, and permitting roadway improvements for First Street and Bertha Street—an urban corridor in Key West. The project scope included asphalt overlay, milling and resurfacing, roadway reconstruction, sea level rise analysis, temporary traffic control, signing and pavement markings, utility coordination, drainage improvements—including connection to a new pump station, installation of continuous deflection separator units to address water quality and backflow prevention devices—and public outreach. A context sensitive complete streets approach included the addition of bicycle lanes, on-street parking, sidewalk repair, Americans with Disabilities Act (ADA) compliant curb ramps and reconstruction of an existing shared-use path.



Juliana Gomez Ortega, EIT | Project Manager / Construction Manager

Juliana is a civil/environmental engineer with experience in the construction and engineering design fields. She has experience supporting private commercial clients in South Florida during all stages of the design process including meetings with clients and architects to permitting of the designed plans. She has also been involved in the construction field assisting project managers with all submittals, RFIs, project scopes, and client management.

YEARS OF EXPERIENCE

6 Years

YEARS WITH JACOBS

3 Years

EDUCATION AND TRAINING

- » MS, Environmental Engineering, Florida International University
- » BS, Petroleum Engineering, International University of Santander, Columbia

REGISTRATIONS | CERTIFICATIONS

- » Utility Risk and Resilience Program – G430, G440, J100, and Cybersecurity Guidance
- » Florida Section American Water Works Association (AWWA)
- » American Society of Civil Engineers (ASCE)
- » EIT

KEY RELEVANT EXPERIENCE

Professional Hydrogeologic Services for Testing and Evaluation of the East and West Wellfields, City of Boynton Beach, Boynton Beach, FL

Assistant Project Manager. Assisted project managers in testing and evaluating 30 surficial aquifer wells for a water treatment plant. Conducted wellfield site tours, designed performance testing programs for East and West Wellfields, and assessed well conditions and performance through specific capacity tests. Prepared technical memoranda summarizing testing methods and results, estimated well life expectancy, and projected water quality for chlorides/total dissolved solids over the next 10 years.

Professional Hydrogeologic Services for Testing and Evaluation of the Prospect Wellfield and Corrosion Control Study, City of Fort Lauderdale, Fort Lauderdale, FL

Assistant Project Manager. Supported testing and evaluating 28 surficial aquifer wells for a proposed water treatment plant. Developed and executed a wellfield testing program to assess well conditions and specific capacity. Conducted drawdown pumping tests, monitored sand production, measured SDI, and analyzed water quality data. Collected and analyzed bacteriological samples for Iron Reduced Bacteria, BART, and HPC. Addressed challenges posed by naturally occurring organics and iron in the raw water, which can impact membrane operation.

PRASA Energy Roadmap and Design Standards, Puerto Rico Aqueduct and Sewer Authority (PRASA), Puerto Rico

Engineer – Hydrogen. Support the development of an Energy Roadmap and updated PRASA Design Standards as part of PRASA's Infrastructure Master Plan. The goals are to reduce energy costs, decrease reliance on PREPA, and enhance energy supply reliability and quality. Responsibilities include analyzing utility data, past proposals, regulations, and technology options including solar, wind, thermal, waste-to-energy, hydrogen, and battery storage.

City Water System Risk and Resilience Assessment, City of Bullhead, Bullhead, AZ

Assistant Project Manager. Responsible for assisting the team with the Natural Hazards threat which included risks analysis for flooding, drought, extreme heat, seismic/earthquakes, tornadoes, and high winds. Project involved a risk and resilience assessment following ANSI/AWWA J100-10 standards to develop an emergency response plan following ANSI/AWWA G440 and M19 for the Marlay-Taylor Water Reclamation Facility to comply with America's Water Infrastructure Act of 2018.

Capacity, Management, Operation, and Maintenance – Big Coppitt Key Wastewater Treatment Plant (WWTP) and Cudjoe Key Advanced Water Reclamation Facility, City of Key West, FL

Assistant Project Manager. Project involves identifying what operations and maintenance manuals exist at the Big Coppitt Key WWTP and Cudjoe Key advanced water reclamation facility (AWRF). The list of existing manuals will be compared with a system, sub-system, and asset list to find gaps and missing manuals. Developing a catalog of O&M manuals and as-built (record) drawings for both Big Coppitt Key WWTP and Cudjoe Key AWRF. Report and identify options for digitalization of manuals and drawings.

10th Street and Harris Avenue Resiliency Project, City of Key West, FL

Assistant Project Manager. 10th Street is relatively low and is adjacent to a saltwater pond. The objective of this work was to select drainage improvement to minimize flooding in this area and provide resilience for future sea level rise. This project also included a planning level design of two alternatives for road configurations allowing the city to choose the best option for the community and the utility uses to be further detailed at conceptual level. Responsible for assisting project managers with all grant requirements and deliverables (HMGP & CDBG) and all preapplication meetings process with the necessary permitting agencies, including but not limited to SFWM, U.S. Army Corps of Engineers, and Florida Keys Marine Sanctuary.



CHRIS SCHIAPPA

PROJECT MANAGER



PROJECT ROLE

PROJECT MANAGER

YEARS IN INDUSTRY

20 YEARS

YEARS WITH GSI

11 YEARS

WHY CHRIS?

PROGRAM DELIVERY

Manages simultaneous, multi-school renovations without schedule slips or cost overruns.

OWNER’S PERSPECTIVE

Acts as the district’s on-site representative, aligning contractor performance to client standards.

FIELD-TESTED

Resolves design and construction conflicts early, minimizing change orders and delays.

BUDGET & SCHEDULE EXPERT

Uses e-Builder and Primavera to track dollars and days—providing transparent, real-time reporting.

STAKEHOLDER DIPLOMAT

Chairs OAC meetings and coordinates with principals, facility staff, and the public to keep projects running smoothly.

PROFESSIONAL BIO

Chris Schiappa is a construction-program manager with 17 years of experience guiding multimillion-dollar capital projects for public-sector owners across South Florida. As an Owner’s Representative on the \$1.65 billion Broward County Public Schools SMART Bond Program, he oversees more than a dozen concurrent school renovations—controlling scope, schedule, and budget while coordinating designers, contractors, and district stakeholders.

Prior to his work with Broward Schools, Chris led design and construction phases on Broward Health North’s \$55 million expansion, managing Requests for Information (RFIs), submittals, and complex regulatory reviews. His site-based background, combined with mastery of PMIS platforms such as e-Builder, Primavera, and BIM 360, equips him to resolve field conflicts quickly, negotiate change orders, and keep executive leadership fully informed through clear, data-driven reporting.

A collaborative leader, Chris chairs bi-weekly OAC meetings, mentors multidisciplinary teams, and maintains transparent communication with facility staff and the public—ensuring projects are delivered safely, on time, and with minimal disruption to operations.

RELEVANT EXPERIENCE

- Broward County Public Schools, SMART Bond Program | Fort Lauderdale, FL
- Broward Health, North Expansion Capital Improvement Program | Coral Springs, FL

Prior to Garth Solutions:

- Schiappa Construction Corporation | Commercial and Restaurant Buildouts, Various Locations, FL

SKILLS & EXPERTISE



PROJECT MANAGEMENT



BUDGET OVERSIGHT



SCHEDULE CONTROL



CONTRACT ADMINISTRATION



TEAM LEADERSHIP



STAKEHOLDER COORDINATION



CHANGE MANAGEMENT



DOCUMENT CONTROL



KEVIN K. ALBRECHT, PE

Hydraulics/Modeling



YEARS WITH CES:

5

YEARS WITH OTHER FIRMS:

13

EDUCATION

BS, Civil Engineering (Water Resources Specialization),
University of South Florida

REGISTRATIONS & CERTIFICATIONS

Florida Professional Engineer #
74709, 2012

AWARDS

2015 ASCE Young Engineer of the
Year (Ridge Branch)

PRESENTATIONS

“Winter Haven Gray to Green –
Restoration of a Hydrologically
Impaired Basin” Marine Resource
Council – LID Conference; Cocoa
Beach, FL, October 2021

“Lake Eva Hydraulic Restoration,”
ASCE – Annual Conference, St.
Petersburg, FL, July 2018

“Know Your MS-4: A Streamlined
Approach to Identify, Evaluate
and Manage your MS-4 Outfalls,”
ASCE – Annual Water Resources
Conference, Orlando, FL, April 2016

“Beyond the Design Storm: A
Practical Approach to ICPR v4
Modeling and Integration with GIS,”
ASCE – Annual Water Resources
Conference, Orlando, FL, April 2015

Mr. Kevin Albrecht has 18 years of Civil Engineering experience, primarily focused on management of water resource and environmental systems, infrastructure development including flood protection, hydrologic restoration, and surface water treatment. His experience includes planning, design and permitting of a variety of stormwater improvement projects for both public and private sector clients throughout Florida, including over 20 Watershed/Lake Management Plans. Kevin is well versed in all aspects of hydrologic, hydraulic, and water quality modeling and monitoring, surface water improvements, permitting, and Geographical Information System (GIS) mapping and analysis.

Experience includes:

City of Miami Beach, West Avenue North & South Neighborhood Utility & Resiliency Improvements Design-Build, Miami Beach, FL: Stormwater Modeling and Design. Responsible for hydrologic and hydraulic (H&H) analysis (ICPR4) to support design and permitting of stormwater improvements. CES developed a 10-year Level of Service (LOS) model of the 140-acre West Avenue stormwater basin to compare to the existing 5-year LOS model and develop an upgraded system. At the request of the City, the hydraulic grade line was set to the lowest point of the basin. This resiliency project will provide the community protection from flooding during storm events and high seasonal tides.

City of Miami Beach, First Street Neighborhood & Resiliency Improvement Project, Miami Beach, FL: Stormwater Modeler and Designer for the development of a complete hydraulic stormwater model for the Fifth Street Basin Stormwater Model. Project provides integrated engineering design services for a new stormwater pump station and stormwater treatment facility to serve the South of Fifth/South Pointe Neighborhood, including improvements to storm drainage, potable water, wastewater, road raising, and streetscaping. Services included GIS mapping of the existing stormwater system, development of an ICPR4 hydraulic model, and design of a 10-year Level of Service (LOS) stormwater management system. Improvements featured a larger stormwater collection network, a 120,000 GPM pump station, and water quality wells to enhance contaminant management. Key project criteria focused on replacing gravity outfalls with a pump station, integrating green infrastructure, and improving drainage well flow rates to protect Biscayne Bay.

City of Miami Beach, North Shore D Neighborhood Improvement Project - Phase 1, Miami Beach, FL: Stormwater Modeling Designer for the development of a complete hydraulic stormwater model for the North Shore D basin providing Conceptual Design/Basis of Design Report (BODR) under Phase 1 as assigned via an Integrated Water Master Plan CSC Task Order. Using GIS and ICPR4, the model analyzed existing stormwater conditions and guided the design of proposed improvements to meet the City's 10-year, 24-hour storm event Level of Service. Deliverables included an existing conditions model, proposed conditions models for both Ultimate and Interim Conditions, technical reports, and modeling documentation. The model serves as the foundation for full construction plans, including an expanded stormwater collection system, a 120,000 GPM pump station, and water quality wells for contaminant management.

City of Largo, GES Task Order: Starkey Road Basin Management Plan, Largo, FL: Stormwater Modeling and Design. CES provided planning, engineering design, geotechnical, field survey, and public information services in connection with several stormwater best management practices projects for the City of Largo Channel 10 and its tributary structures. The overall project objective was to develop plans and specifications, and related project permit applications, for project bidding and construction, and other professional engineering work.



YEARS OF EXPERIENCE

20 Years

YEARS WITH JACOBS

16 Years

EDUCATION AND TRAINING

- » AA, Industrial Engineering/Computer Aided Design

REGISTRATIONS | CERTIFICATIONS

- » Florida Phosphate Producers (FPP) -16 Hour
- » Mine Safety and Health Administration (MSHA) Part 46

Jason Montminy, ENV SP | Stormwater Hydraulic Modeler

Jason is a seasoned professional with 20 years of accomplished experience in various water resources disciplines. His expertise spans BMP development, master planning, design, implementation, watershed management, flood protection, and construction management. He has served as a technical lead on hundreds of stormwater Best Management Practices (BMP) projects throughout the region. These contributions to flood protection are evident in his extensive work on watershed management plan projects. He has valuable first-hand knowledge of thousands of stormwater infrastructure locations allowing him to develop cost-effective stormwater solutions that are tailored to overcome the specific challenges faced by each community. Jason's dedication to project management and flood protection has made him a key figure in the field, driving forward initiatives that safeguard communities and enhance their resilience.

KEY RELEVANT EXPERIENCE

Stormwater Management Master Plan Update & Crescent Lake Water Quality Improvement Plan, City of St Petersburg, St. Petersburg, FL.

Deputy Project Manager and BMP Development Lead. Jason led stormwater BMP development and cost estimation at 76 locations throughout the City. Responsibilities also included multi-factor prioritization and BCA analysis. Having led field verification tasks at over 2,000 locations through the ICPR model development, Jason's inputs have been an enormous benefit to the project, using firsthand knowledge of the complex stormwater system throughout the City, it's current condition and function. This knowledge has contributed directly to flood solution innovation.

Cypress Creek Management Update, SWFWMD, Pasco County, FL.

Technical Lead/BMP Specialist. Responsible for mobilizing engineering staff to hundreds of locations throughout the watershed and ongoing BMP planning for flood reduction projects. Work included conceptual planning for BMP selection across flood prone areas and analysis of modelling practices to help ensure adequate level of detail is employed.

Starkey Road Watershed Management Update, Pinellas County, FL.

Technical Lead. This project developed a comprehensive WMP Update for the Starkey Road watershed, comprising approximately 7,330 acres. Jason led the data gaps analysis and field data collection efforts across the entire watershed. Findings in the field have identified detailed connectivity between the neighboring Cross Bayou Watershed and several updates now included in the watershed model that had not been incorporated into relevant as-built drawings.

Joe's Creek Model Update, Alternative Analysis, & Feasibility Study Preliminary Engineering Report, Pinellas County, FL.

Flood Reduction BMP Lead. Led the modeling effort for watershed scale flood reduction solution implementation Joe's Creek in support of preliminary engineering report that includes evaluation, and design including initial condition assessments and watershed updates from four watersheds. Tasks led include solutions analysis, prioritization, and construction cost estimation.

Northwest 5 Watershed Management Plan Update, Hillsborough County, FL.

Technical Lead: In support of an active watershed management plan update project during record flooding in 2015, Jason led three teams perform field inspections at all known flooding locations throughout the watershed. These results were compared to modelling to prioritize emergent maintenance repairs for immediate benefits vs long term capital improvement projects to resolve the flooding concern.



ERNESTO FERNANDEZ, PE, CGC, CUC

Permitting Specialist



YEARS WITH CES:

3.75

YEARS WITH OTHER FIRMS:

3.25

EDUCATION

MS, Construction Management,
Florida International University,
2021

BS, Civil Engineering, Florida
International University, 2018

REGISTRATIONS & CERTIFICATIONS

Florida Professional Engineer
#95204, 2022

New York Professional Engineer
#109179, 2024

Florida Certified General Contractor
#CGC1536613, 2024

Florida Certified Underground
Utility and Excavation Contractor
#CUC1226278, 2024

OSHA 10-Hr. Construction Safety

National Association of Sewer
Service Companies Certified
(NASSCO)

AWARDS

2025 FES Young Engineer of the
Year (Miami Chapter)

PROFESSIONAL AFFILIATIONS

Cuban American Association of Civil
Engineers (CAACE), Board Member

American Society of Civil Engineers
(ASCE)

Florida Engineering Society (FES)

Mr. Ernesto Fernandez has seven years of experience in the design and construction of municipal public works projects, with a focus on permitting, utility infrastructure, and construction management. He has led and supported permitting efforts across numerous complex water and wastewater projects, coordinating with regulatory agencies to secure approvals for stormwater, potable water, and sanitary sewer systems. His experience includes preparing permit application packages, addressing regulatory comments, and ensuring compliance with agency requirements throughout project lifecycles. In addition to permitting, Ernesto has designed pipeline installations using horizontal directional drilling (HDD), jack and bore, and slip lining methods. He has developed engineering documents from conceptual to final design and has supported project supervision, inspections, and construction administration.

Experience includes:

First Street Neighborhood Improvement Project, Miami Beach, FL: Project Engineer. The City is implementing stormwater management system improvements that will provide a higher level of service, reducing flood depth and duration. CES is providing integrated engineering design services, under a Miami Beach Integrated Water Master Plan CSC, addressing the tidal and rainfall flooding in the South of Fifth/South Pointe area. The project includes a new stormwater pump station, treatment facility, and upgrades to storm drainage, potable water, wastewater, and roadway infrastructure. CES is leading the design of the water main, sanitary sewer, 54-inch force main, stormwater system, water quality wells, and pump station components. This is the first project to implement the City's Blue-Green Stormwater Infrastructure Concept Plan and Urban Forestry Master Plan.

West Ave. North & South Neighborhood Utility & Resiliency Improvements Design-Build Projects, Miami Beach, FL: Project Engineer for the D/B projects to develop water/sewer/utility and roadway design, permitting, and infrastructure construction of 2.2 miles of roadway to address sea level rise in the West Avenue Basin. Project includes 16,000 LF of water main, 7,050 LF of sanitary gravity sewer, 12,800 LF of storm sewer, a 120,000 GPM stormwater pump station and outfall, upsizing and design of curb inlets and yard inlets, and upsizing/modifications of two pump stations.

MDWASD Red Road 54-Inch Water Transmission Main from Preston WTP to W 53rd St, Hialeah, FL: Project Engineer for the site investigation, engineering, design, survey, technical specifications, permitting, construction, testing, and commissioning activities for the construction of 3.1 miles of 54" diameter DIP transmission main, including ±1,500 LF of tunneling for the 54" diameter carrier pipe and a 72" steel casing pipe at crossings with canals, railroads, highways, and major intersections. The project also includes installing all required fittings and valves, manholes, ancillary piping, tapping, utility relocation temporary bypass, and tie-in connections, MOT, cleaning, disinfecting, and testing the new water transmission main, and restoring all areas disturbed by construction activities.

MDWASD Pump Station Improvement Program (PSIP), Miami-Dade County, FL: Project Manager/Engineer providing evaluation, cost, engineering analysis, design, coordination, permitting, and management for the rehabilitation and replacement of multiple pump stations for the PSIP. The projects consisted of existing pump station inspection, coordination of survey and geotechnical services, design of pump station rehabilitation or replacement, design of connecting force mains, permitting, and limited construction services. The Task Orders include both submersible and wet pit/dry pit pump station rehabilitation projects involving: pump, piping and valve replacements; wet well and valve vault structural repairs; electrical and I&C system upgrades; backup diesel pumps; emergency generators; force main modifications, sanitary collection extensions and replacements; and beautification, access and site improvements. Many of the projects also include climate resiliency improvements that address climate change and sea level rise by elevating slabs and electrical systems. Pump stations worked on include PS1201, PS0470, PS0444, PS0064, PS0013, PS0893, PS0010, PS0744, PS038, PS0313, PS0329, PS0694, PS0844, PS1044, PS1043, PS0493, and PS0134. A-108



Mitch Griffin, PhD, PE | Permitting Specialist

Mitch is a senior water resources engineer specializing in solving surface water drainage, supply, and quality problems. He assists municipal and industrial clients in making planning decisions and obtaining surface water permits, including National Pollutant Discharge Elimination System (NPDES) federal permits for point source discharges and stormwater. He is skilled in computer modeling to solve water resources-related problems and is familiar with a wide range of computer model types, including hydraulics, hydrologic, mixing zones, water quality impacts, GIS, system analysis, and time series analysis.

YEARS OF EXPERIENCE

44 Years

YEARS WITH JACOBS

36 Years

EDUCATION AND TRAINING

- » PhD, Agricultural Engineering, Purdue University
- » MS, Agricultural Engineering, University of Kentucky
- » BS, Civil Engineering, University of Kentucky

REGISTRATIONS | CERTIFICATIONS

- » Professional Engineering: FL (#40772), LA (#31484), GA (#25672)

KEY RELEVANT EXPERIENCE

Upper Kissimmee River Water Supply Technical Support, SFWMD, FL.

Senior Technical Consultant. for evaluation of the water supply yield of potential reservoirs located in the Upper Kissimmee River Basin. This led to a follow-up project to determine the potential costs and optimum pipeline and reservoir network system using Voyage that could provide surface water to the region. Additional support was provided through the Kissimmee Basin Management and Operations Study by working with the technical advisory group to help develop future potential operation strategies.

Natural Resource Conservation Service Wetland Restoration Program Design Services, USDA, Various Locations, FL.

Project Manager and Engineer of Record. on over 20 projects, restoring about 22,200 acres of USDA Wetland Reserve Program property. The NRCS Wetland Restoration Program (WRP) modified previously drained agricultural lands to restore their hydrology to wetland conditions. These projects involve deconstructing the previous drainage improvements and building new ones that retain water. Design and permitting services to implement the WRP was conducted across Florida, but much of the work was in SFWMD, including Williamson Ranch near Indiantown which is owned by the SFWMD.

Stormwater Master Plans (SWMPs), Seminole Tribe of Florida, Various Locations, FL.

Senior Quality Control Reviewer. for Stormwater Master Plans for four reservations located in the SFWMD territory. Mitch provided QA/QC review of all elements of the plans that included new LiDAR collection; survey and inventory combined into a GIS database; ICPR4 model development; and a stormwater master plan for future capital improvements. The modeling assessed existing and future condition simulations for the 10-yr-24hr, 25yr-24hr and 100yr-24hr storm events. Projects were selected based on the District's latest future rainfall and local groundwater projections to provide the Tribe climate-resilient plans. Mitch has provided review and advice on a variety of stormwater issues for the Tribe since 2019.

Lead Ocean Outfall Legislation (OOL) Program, Miami-Dade County, Miami, FL.

Permitting and Compliance Task Lead. for the OOL Program for Miami-Dade County. Florida has mandated the elimination of normal use of ocean outfalls by 2025, so the county must develop alternative disposal solutions that meet the deadline and provide capacity for growth (2035 planning horizon). Jacobs is the owner's representative for the OOL Program, that includes over 70 capital projects. Mitch led the task related to compliance reporting and permit assistance. Responsible for updating the Compliance Plan and reporting to FDEP. The project permitting includes wastewater treatment plant construction and developing new sites (future West District and expanding North District). Developed application-supporting materials for WIFIA funding for the OOL program. Assisted the Water and Sewer Department to plan for design flood elevations for future sea level rise and storm surge for FEMA funding assistance to increase resiliency.

Hillsborough River/Tampa Bypass Canal Hydrodynamic and Flow Forecasting Models Evaluation, Tampa Bay Water, Tampa, FL.

Project Manager. for a watershed modeling project to predict flows and stages at specific locations in the surface water supply system 7 days into the future so Tampa Bay Water can plan on water withdrawals and general operations of the flow control structures. Upstream flows were predicted using Analytical Neural Network (ANN) stochastic models. Mitch led the development of a one-dimensional unsteady flow HEC-RAS model developed for the lower Hillsborough River and Tampa Bypass Canal watersheds. The results of these models were then integrated into a flow prediction tool using an Excel spreadsheet to assist the utility to predict surface water withdrawals. Mitch also led a long-term supply forecasting modeling effort for Tampa Bay Water to use with their demand forecasts. Monthly surface water supply was forecasted for 25-years into the future using stochastic time series models.



Leigh Ann Cannon, ENV SP | Permitting Specialist

Leigh Ann brings 20 years of environmental expertise in stormwater, wetlands, permitting, and benthic resources across South Florida. She has successfully permitted over 75 infrastructure projects with local, state, and federal agencies. A certified ENV SP, Leigh Ann integrates sustainability into project design, construction, and maintenance to minimize community and environmental impacts. Her experience includes NPDES stormwater compliance, wetland and benthic assessments, mitigation, and environmental monitoring. She collects and analyzes field data, manages databases, ensures quality control, and prepares technical reports. As one of Jacobs' top permitting experts, she specializes in permit strategy, drawing design, sediment characterization, and compliance with agency requirements.

YEARS OF EXPERIENCE

20 Years

YEARS WITH JACOBS

20 Years

EDUCATION AND TRAINING

MS, Biology, University of South Florida

BS, Biology, University of South Florida

AA, Polk Community College, Lakeland

REGISTRATIONS | CERTIFICATIONS

ISI Envision™ Sustainability Professional (ENV SP)

KEY RELEVANT EXPERIENCE

Design, Permitting, and Services During Construction of Major Drainage Channels, 8 Sites, Pinellas County, Pinellas County, FL.

Permitting Lead/Project Scientist. The County required assistance obtaining permits or exemptions and design of drainage canal maintenance to perform countywide sediment removal from over 20 stormwater management facilities consisting of canals, channels, and ditches. Permitting involved coordination with USACE and FDEP or SWFWMD. Assessments of impacts to habitats, benthic resource, wetlands, and listed species were conducted with the goal of qualifying each permit for state exemptions and federal nationwide permits. Responsibilities included data collection (habitat evaluation, benthic resources, endangered species [manatees, birds, fish, and vegetation], etc.), pertinent submittals to the permitting agencies, and providing responses to all agency queries. Efforts significantly saved the County cost and time and reduced the permit approval schedule. All projects were successfully permitted with a 35-day average turnaround.

4G Ranch Wetlands Project, Pasco County, Land O' Lakes, FL.

Environmental Scientist/Permitting. Assisted in determining the appropriate permitting path for the proposed activities, prepared the FDEP Environmental Resource Permit Application, performed agency coordination, and received an Individual Permit. Project involved enhancing the water resources and maximizing wetland habitat diversity as

part of the world's largest man-made groundwater recharge wetland project.

Multiple Dredge and/or Construction Project Permitting, Port Tampa Bay (Tampa Port Authority), Hillsborough County, FL.

Permitting Lead/Project Scientist and Manager. Performed environmental surveys, creation of supporting documentation such as Alternative Sites Analysis and Essential Fish Habitat evaluation and obtained permits for over 20 projects. Example projects include McKay Bay Mitigation Site Monitoring (5-year monitoring of 19-acre wetland creation mitigation site) and Berth 213-214 Improvements (dredged Port Sutton Entrance Channel (420,590 cubic yards) and constructed marine structures).

New U.S. Army Reserve Aviation Support Facility, MacDill Air Force Base, Hillsborough County, FL.

Permitting Task Manager. Project involved construction of a new 56-acre Aviation Support Facility and Skeet Grenade Range at MacDill Air Force Base. Permitting effort included impacts to upland and wetland areas, utilization of mitigation bank credits, preparation of ERP permit applications for applicable agencies, and coordinated/negotiated with SWFWMD, EPC, and USACE agencies during the permit process.

Water Distribution System WIFIA Load and Permitting, City of North Miami Beach, North Miami Beach, FL.

Project Scientist. The City of North Miami Beach submitted a Water infrastructure Finance and Innovation Act Loan Application to EPA for their Water Regional Potable Water Improvement Projects. Leigh Ann assisted with documentation for NEPA compliance and permitting due diligence.

CUMMINS | CEDERBERG

Coastal & Marine Engineering

PENNY CUTT

Senior Environmental Permitting & Marine Resources



YEARS OF EXPERIENCE

- 30

YEARS WITH FIRM

- 5

EDUCATION

- Dual MSc Marine Biology and Coastal Zone Management, Nova Southeastern University (Pending Capstone Review)
- BSc Agricultural Operations Management, University of Florida

CERTIFICATIONS

- Advanced Open Water Scuba
- DAN (First Aid, CPR, AED & Oxygen)
- U.S. Power Squadron Safe Boat Operation Certification

PROFESSIONAL AFFILIATIONS

- Broward County Marine Advisory Committee, Appointed Member
- Pompano Beach Marine Advisory Board, Appointed Member, Vice-Chair
- Pompano Beach Zoning Board of Appeals, Appointed Member
- South Florida Association of Environmental Professionals
- Treasure Coast Florida Association of Environmental Professionals

Penny has 30 years of experience in the fields of environmental monitoring, assessment, planning and regulatory permitting to support the firms' commitment to sustainability. She applies this project management experience to ensure timeliness and accuracy of deliverables for projects being managed. Penny can quickly evaluate complex scientific information and communicate it to lay leaders for decision-making purposes. She has a proven track record negotiating complex technical issues, particularly regarding aquatic and coastal ecosystems. The first half of Penny's career was in the public sector administering federal, state, and county environmental regulatory programs. This government expertise has been paramount to her success in the more recent half of her career assisting public and private clients in the private sector.

RELEVANT PROJECT EXPERIENCE

Tidal Flooding Mitigation and Shoreline Protection, City of Hollywood, Florida. Senior director managing the City of Hollywood project to mitigate tidal flooding across 22 City owned shoreline segments inclusive of parks, a marina, and right-of-way shorelines. Cummins Cederberg conducted engineering assessments, seagrass surveys, mangrove surveys, tide measurements, LiDAR review and processing, upland and submerged land ownership research, inundation mapping, and developed design specifications. Conceptual designs were prepared and presented to various City Departments and the public for project input. A total of \$14.1M in grant funding was secured to supplement the City's GO Bond to fund design, permitting, and construction of all 22 project sites. Permit drawings are being prepared based on the conceptual designs and feedback from the City and Broward County, State, and USACE authorizations will be secured.

Holland Park, Hollywood, Florida. Project manager for tidal flood mitigation at Holland Park. Conducted benthic resource survey; presented project at public meetings; coordinating design team to include survey, geotech, civil, landscape architecture, environmental permitting, and marine engineering; developed conceptual designs, preparing permit application packages.

The Bay Park, Sarasota, Florida. The Bay is an environmental, resilient revitalization of 52 acre public waterfront park in downtown Sarasota. Senior director overseeing all aspects of project including biological assessments and monitoring, grant funding, and environmental permitting. Provided consulting support to project team towards modification of City zoning code to allow for public access dock. Managing annual benthic monitoring surveys including 43 acres of submerged lands within Sarasota Bay offshore of Centennial Park and the Van Wezel Properties and mangrove assessments. Project is proceeding in phases including sunset pier (in permitting), ADA accessible kayak dock (completed), mangrove windowing and exotic vegetation removal (completed), dredging of mangrove bayou (completed), centennial canal dredging, shoreline stabilization and transient docks (in permitting), resilient shoreline design (in design), and Hog Creek restoration (in design). Permits are being processed in phases through the SWFWMD and USACE. Secured \$11.6M in grant funding to date, with additional grant applications in process, to fund resilient project element, stormwater improvements, and public access structures.



SERGIO WILLIAMS, PE

Civil Engineering



YEARS WITH CES:

3.5

YEARS WITH OTHER FIRMS:

6.5

EDUCATION

BS, Materials Science Engineering,
Northwestern University, 2014

REGISTRATIONS & CERTIFICATIONS

Florida Professional Engineer
#97275, 2023

SOFTWARE/TECHNICAL SKILLS

Civil 3D

AutoCAD

Interconnected Pond Modeling,
H&H Modeling & Stormwater
Modeling (ICPR 4)

Mr. Sergio Williams is a highly skilled Project Engineer/Project Manager with a decade of experience having led and contributed to numerous civil infrastructure projects across South Florida. His expertise includes hydraulic modeling, drainage system design, stormwater pump stations, roadway rehabilitation, road raising, pavement design, traffic control planning, and utility coordination. Additionally, Sergio has extensive experience conducting field investigations to assess existing conditions, developing construction documents, acquiring permits, preparing technical reports, and balancing the . He has played a critical role in designing and upgrading stormwater collection systems, water quality treatment facilities, pump stations, and roadway networks, ensuring compliance with municipal and regulatory standards.

Experience includes:

West Ave. North & South Neighborhood Utility & Resiliency Improvements Design-Build Projects, Miami Beach, FL: Project Manager/Project Engineer for these two City of Miami Beach design-build neighborhood resiliency projects along the West Avenue North and South Corridors. The scope included design and construction of new water, sewer, and stormwater systems; a 120,000 GPM master pump station; and the reconstruction of 2.2 miles of roadway with sidewalks, landscaping, and utility upgrades. Improvements incorporated Complete Streets principles and 100 Resilient Cities recommendations, including raising roadway grades by 30 inches and providing drainage for a 10-year storm event. Additional elements included public/private property harmonization, new traffic signals, and a Bay Walk design extending into Biscayne Bay.

North Shore D Neighborhood Improvement Project, Phase 1, Miami Beach, FL: Project Manager for the development of a complete hydraulic stormwater model for the North Shore D basin under the City of Miami Beach's Integrated Water Master Plan CSC. The model creation consisted of mapping the existing stormwater system in GIS and transferring this data into ICPR4, serving as the platform from which full construction plans for the area's stormwater improvements will be developed. The existing conditions model was used as a base template to develop the proposed conditions model for the entire basin. Once complete, a proposed model was developed for both the Ultimate Conditions and Interim Conditions and designed to meet the Level of Service set by the City for a 10-year 24-hour storm event. The improvements include a larger stormwater collection system, a 120,000 GPM pump station, and a series of water quality wells to manage contaminants.

South of Fifth Street Basin Stormwater Model, Miami Beach, FL: Project Engineer/Modeler. Project consists of a hydraulic stormwater model of the South of Fifth Street Basin, developed under the City of Miami Beach's Integrated Water Master Plan. The model, built using GIS and ICPR4, supported the design of a 10-year Level of Service stormwater system, including a 120,000 GPM pump station, enhanced collection network, and water quality wells. Key goals included replacing gravity outfalls with pumped systems, integrating green infrastructure, and improving water quality to protect Biscayne Bay.

First Street Neighborhood Improvement Project, Miami Beach, FL: Project Manager/Lead Designer providing integrated engineering design services, under a City of Miami Beach Integrated Water Master Plan CSC, addressing tidal and rainfall flooding in the South of Fifth/South Pointe area. The project includes a new stormwater pump station, treatment facility, and upgrades to storm drainage, potable water, wastewater, and roadway infrastructure. CES is leading the design of the water main, sanitary sewer, 54-inch force main, stormwater system, water quality wells, and pump station components. This is the first project to implement the City's Blue-Green Stormwater Infrastructure Concept Plan and Urban Forestry Master Plan.



Raymond Sciortino, PE | Civil Engineering

Raymond is a seasoned project manager and engineer specializing in surface water management, environmental restoration, transportation, and utility infrastructure projects. He previously served for five years as a Project Manager at the South Florida Water Management District (SFWMD) Engineering and Construction Bureau, where he oversaw both large and small-scale surface water management and environmental restoration projects. His extensive experience encompasses all phases from planning and design through construction and project management, demonstrating a proven ability to lead complex multidisciplinary projects successfully.

YEARS OF EXPERIENCE

14 Years

YEARS WITH JACOBS

19 Years

EDUCATION AND TRAINING

» BS, Civil Engineering, University of New Orleans

REGISTRATIONS | CERTIFICATIONS

» Professional Engineer, FL (#71542)

KEY RELEVANT EXPERIENCE

C-43 Water Quality Treatment Area Test Facility, South Florida Water Management District (SFWMD), Glades County, FL

Project Manager. The project involved design and construction of a facility along the Caloosahatchee River (C-43 Canal) which will be used to test the effectiveness of various kinds of wetland vegetation at removing total dissolved nitrogen from the water in the river. It is intended that the experimental findings from this project be used to develop larger scale test facilities with the ultimate goal of building a full-scale stormwater treatment area designed to remove total dissolved nitrogen and other constituents (including TP and TSS) from the water in the Caloosahatchee River. Raymond was the engineering design project manager and civil engineer of record for this experimental water quality treatment system project. Raymond's responsibilities included preparing a value engineering report, construction drawings and hydraulic calculations for the project's water supply system, as well as managing staff and coordinating with project team members.

Section 203 Feasibility Study and EIS Report for the Lake Okeechobee Component A Reservoir Project, South Florida Water Management District (SFWMD), Highlands County, FL

Lead Engineer. Ray was responsible for directing an inter-disciplinary team of engineers to complete the Engineering Design Appendix Report that is part of the Section 203 feasibility study and EIS report for the LOCAR project. The report will be submitted to the U.S. Army Corps of Engineers for approval, for the project to be authorized for state federal cost share funding in WRDA 2024. This major water management/ environmental restoration project, which is a component of the Comprehensive Everglades Restoration

Plan includes the construction of a 12,000-acre above-ground storage reservoir (classified as a high-hazard dam facility with a storage capacity of 200,000 acre-feet), a 1,500 cfs reservoir intake pump station, and multiple gated water control structures.

SR 713 (King's Highway) Widening Project (SR 70 to 0.3 miles north of I-95 overpass – 3.3 miles), FDOT District 4, St. Lucie County, FL

Drainage Engineer. Drainage engineer of record for this highway widening project. His responsibilities include: preparing drainage design reports, designing stormwater detention ponds using AdICPR software, preparing storm sewer hydraulic grade line calculations using ASAD software, preparing spread, inlet and ditch capacity calculations, and addressing technical review and permitting comments as well as reviewing and finalizing the design drawings that pertain to the drainage/stormwater management system.

L-8 Pump Station, Flow Equalization Basin, Canals, and Ecosystem Restoration, South Florida Water Management District (SFWDM), Palm Beach County, FL

Civil Engineer Checker. Ray QC-reviewed data and calculations for accuracy, including site layout, design, environmental permitting, and utilities. This QC check also included hydraulic modeling of flow through the reservoir using AdICPR, flow algorithms for partially full pipe flow using Excel, rip-rap sizing using FHWA software, septic system capacity calculations using Excel, and other miscellaneous grading and earthwork calculations using Excel. He adhered to UFC 3-201-01, Civil Engineering and more stringent civil engineering requirements, using CIM (Civil 3D) as a design and modeling tool and developing specifications with SpecsIntact.



Mariana Evora, PE

Senior Stormwater Professional Engineer

Mrs. Evora has over 12 years of experience in the fields of stormwater and utility engineering, and has served as consultant, project manager, and design engineer in numerous multidisciplinary projects. Her technical expertise includes planning, design, permitting, and construction of numerous stormwater and drainage projects with stormwater pump stations ranging in size from 7,000 gpm to 200,000 gpm, stormwater force mains up to 72-inches in diameter, stormwater culverts up to 96 inches in diameter, drainage wells, and various water quality technologies. Mrs. Evora's is well versed in stormwater program management, as her experience also includes managing the capital program and the implementation of Miami Beach's stormwater master plan. Her relevant project experience includes the following:

RELEVANT EXPERIENCE

In-House Stormwater Enterprise Capital Improvements Program Management & Operations and Maintenance (O&M), Miami Beach, FL | City of Miami Beach | Jorge Maldonado, 451 Dade Blvd, Miami Beach FL 33139, jorgemaldonado@miamibeachfl.gov, 305-673-7080 | 05/2019 – 06/2023 – As the Assistant Director of Infrastructure for the City, Ms. Evora served as the operational and technical lead the City's stormwater management system. This included compliance with operating permits such as the Municipal Separate Storm Sewer System (MS4) Permit, as well as compliance with permits for discharge to Outstanding Florida Waters. Additionally, she was responsible for implementing the City's stormwater capital program – managing large neighborhood improvement projects, as well as targeted projects to address local flooding concerns.

West Avenue Neighborhood Improvement Project, Miami Beach, FL | City of Miami Beach | Ralph Viola, 1700 Convention Center Drive, Miami Beach FL 33139, ralphviola@miamibeachfl.gov, 305-673-7080 | 01/2017 – On-Going | \$115,000,000 – The project included the design and construction of the complete public underground utilities of water distribution and transmission system, sanitary sewer collection system, and stormwater drainage system, including the verification and development of a stormwater model and a new 120,000 GPM stormwater pump station. Ms. Evora was responsible for the design of a complete and functional neighborhood improvement project, including a pedestrian friendly "Complete Street" redesign, the typical section, curb and gutter, harmonization with lower lying adjacent properties, utility relocation, compliance with City standards and specifications, and compliance with Miami-Dade DERM requirements.

First Street Neighborhood Improvement Project, Miami Beach, FL | City of Miami Beach | Patricia Rendon, PE, 1700 Convention Center Drive, Miami Beach FL 33139, patriciarendon@miamibeachfl.gov, 305-673-7080 | 11/2021 – On-Going | \$134,000,000 – Mrs. Evora served as owners Project Manager for the design and of one of the City's marquee projects at the South of Fifth neighborhood, project includes design and permitting of new sanitary sewer, water distribution and stormwater system for major roads in the Miami Beach South of Fifth Neighborhood, and the installation of a new Stormwater Treatment System and pumping system that is to be located in a City owned parking lot on the SW corner of First Street and Washington Ave. This project also includes raising of First Street between Alton Rd and Washington Ave including the intersections, road elevation is meant to mitigate sea level rise in an area that is already prone to flooding during high tide events. The project included a new 200,000 gpm stormwater pump station.

Indian Creek Neighborhood Improvement Project, Miami Beach, FL | City of Miami Beach | Patricia Rendon, PE, 1700 Convention Center Drive, Miami Beach FL 33139, patriciarendon@miamibeachfl.gov, 305-673-7080 | 05/2019 – On-Going | \$18,000,000 – The Indian Creek Neighborhood underwent several developments including roadway and stormwater drainage improvements along Indian Creek Drive from 26th street to 41st street and the associated side streets, including completing the 45,000 gpm stormwater pump station at 32nd Street, reconstruction of the roadway, signing and pavement marking improvements, curb and gutter redesign, harmonization (to adjacent private properties), and sidewalk on a portion of Collins Avenue. Ms. Evora was responsible for the design of a complete and functional neighborhood improvement project, the roadway design, the typical section, curb and gutter, harmonization with lower lying adjacent properties, utility relocation, compliance with City standards and specifications, and compliance with Miami-Dade DERM and FDOT requirements.

Doral Basin H-5 Priority 1 & 2 Drainage Improvements, Doral, FL | City of Doral | Agustin Maristany, PE, 1000 NW 57 Ct., Suite 800, Miami FL 33126, amaristany@ardura.com, 305-807-6068 | 05/2014 – 04/2017 | \$800,000 – The project consisted of drainage improvements including 4,000 LF of French Drains within the priority areas identified in the city's stormwater master plan. Mrs. Evora was responsible for managing the design and permitting of the project. During the implementation phase Ms. Evora performed a feasibility study with the objective of improving flood levels of service in the H-5 Basin area of City of Doral by providing a positive drainage outfall discharge into NW 58th Street Canal. She was responsible for modeling the existing conditions as well as the proposed outfall alternative with the objective of preparing a technical report. All modeling was performed with the use Stormwater Model ICPR to document the impacts of said outfall on the canal and acquire necessary permits. Within Ms. Evora's purview was responses to RFIs, shop drawing review, change order review, full time inspection for conformance with contract documents, review and approval of pay requisitions, and review of as-built drawings, development of punch list, and project certification and close out.



Firm:

Delta Consultants, LLC

Years of Experience: 12

Years with the Firm: 2

Education:

BS in Civil Engineering,
Florida International
University, 2014

Registrations/

Certifications: Professional
Engineer Florida No. 86167
Licensed in 2018

NASSCO PACP, MACP, &
LACP Certified 2024

FDOT Advanced MOT

Areas of Expertise:

Stormwater Capital
Programs

Stormwater Utility O&M

Stormwater Systems

Urban Drainage Systems

Stormwater Pump Stations

Stormwater Forcemains &
Outfalls

Water Quality Treatment

Water Quality Wells

Pipeline Design

Trenchless Construction

Luis Aguiar

Senior Engineer / Water Operations Subject Matter Expert

Mr. Aguiar has over 40 years of experience. He successfully managed the Miami-Dade Water and Sewer Department - one of the largest water and sewer utilities in the Country – from an operational and capital perspective. Mr. Aguiar played critical roles negotiating and implementing multiple consent decrees. During his tenure he was responsible for the Department's Water Distribution, Sewage Collection, Pump Station Maintenance and Meter Divisions, with annual budgets of more than \$100 million and over 800 employees. In addition to his operational experience, he managed several large programs for the utility, including: the Infiltration/Inflow Reduction program and the Pump Station Improvement Program. After his tenure at MDWASD, Mr. Aguiar worked at Hazen and Sawyer on several critical projects including the City of Miami Beach Water and Wastewater Program and the Miami-Dade Water and Sewer Capacity, Management, Operations, and Maintenance for Water Systems Program. He now serves as Delta Consultants' Senior Water and Sewer Engineer. His relevant project experience includes the following:

RELEVANT EXPERIENCE

FLL GTL WWTP Redundant Effluent Force Main, Fort Lauderdale, FL | Ric-Man Construction Florida | Chris Mancini, 3100 SW 15 St. Deerfield Beach, FL 33442, christopherm@ric-manfl.com, 954-426-1221 | 11/2023 – On-Going | \$46,000,000 – Managed utility coordination and served as the technical advisor for the installation of approximately 4,200 LF of 60" force main to convey the effluent of the wastewater treatment plant to the deep injection wells for disposal. The project required extensive utility coordination as the corridor (Eisenhower Blvd.) for the large diameter pipeline was heavily congested with other utilities. Additionally, the industrial area in the vicinity of the project serves Port Everglades for fuel distribution and has many critical fuel lines in the project corridor. This required an in-depth utility coordination effort with fuel companies such as Marathon (MPLX) and Buckeye. Additionally, several conflicting utilities were relocated including crown castle, Port Everglades fiber optics, Port Everglades CCTV, and Florida Power & Light (FPL).

Miami-Dade Water and Sewer Value Engineering Change Proposal (VECP) Horizontal Directional Drill (HDD) Alternative for the 18" Water Main along NW 37 Ave. from NW 36 St. to NW 79 St., Miami-Dade County, FL | JVA Engineering | Javier Romero, 6600 NW 32 Ave., Miami FL 33147, jr@jvaengineering.com, 305-696-7902 | 11/2023 – On-Going | \$2,989,387 – Managed utility coordination and served as the technical advisor for the installation of an 18-inch water main along NW 37 Ave from NW 36 St. to NW 79 St. The scope of work included three separate railway crossings, requiring utility coordination and coordination with the ROW owners. Each crossing included a 30-inch HDPE IPS DR-11 carrier pipe and an 18-inch HDPE DIPS DR-11 force main (host pipe). The project required in-depth engineering to ensure that all utilities were properly identified and did not conflict with the HDD alignment. Additionally, detailed engineering calculations were performed for the HDD including pulling force calculations and casing deflection calculations to account for E-80 Cooper Railroad Loading.

Crossing No.	Length (LF)	ROW / Railway Owner
1	575	CSX Corporation
2	875	South Florida Regional Transportation Authority (SFRTA)
3	657	Florida East Coast Railway (FEC)
Total Length	2,107 LF	

MDWASD Pump Station Improvement Program, Miami-Dade County | Miami-Dade Water and Sewer | David Vazquez, PE, 3071 SW 38 Ave., Miami, FL 33146, david.vazquez@miamidade.gov, 786-552-4447 | 1992 - 2000 | \$250,000,000 – Mr. Aguiar served as Project Manager for the Department, where over 350 sewer pump stations were identified and upgraded to meet a 10-hour per day nominal average pump operating time (NAPOT). Upgrades included I/I investigations, pump upgrades, structural upgrades, mechanical upgrades, electrical upgrades, and complete station replacements.

Pipeline Construction Management, Miami-Dade County | Miami-Dade Water and Sewer | Miguel Pichardo 3071 SW 38 Ave., Miami, FL 33146, miguel.pichardo@miamidade.gov, 786-552-4352 | 1995 - 1997 | \$25,000,000 – Managed in-house construction efforts. Several projects were constructed by WASD Department Forces under Mr. Aguiar's direction, including: two miles of 24-inch water transmission main in downtown Miami; over 100,000 feet of force mains as required by Consent Order; over 30,000 feet of water mains at the Everglades Migrant Labor Camp; and over 50,000 feet of water mains for the Village of Pinecrest.

Emergency Repair Management, Hialeah, FL and Miami Beach, FL | Miami-Dade Water and Sewer | Miguel Pichardo 3071 SW 38 Ave., Miami, FL 33146, miguel.pichardo@miamidade.gov, 786-552-4352 | 2008 - 2008 | \$15,000,000 – Mr. Aguiar managed large pipeline repairs for various emergency projects including: a 54-inch water main repair on Red Road in Hialeah, FL; 5,000 feet of water main with services to 50 homes in Sunkist Estates within 5 calendar days; and Repair of a 54-inch sewer force main at Miami Beach, FL.

MDWASD Infiltration/Exfiltration/Inflow (I/E/I) Reduction Program, Miami-Dade County | Miami-Dade Water and Sewer | David Vazquez, PE, 3071 SW 38 Ave., Miami, FL 33146, david.vazquez@miamidade.gov, 786-552-4447 | 1992 - 1999 | \$230,000,000 – Mr. Aguiar served as Project Manager on MDWASD's \$230 million sewer rehabilitation program, which included slip lining 4.5 miles of 36 to 72-inch diameter sewers. The nine-year program to reduce system infiltration, exfiltration, and inflow (I/E/I) was highly successful. System flows to the regional treatment facilities were reduced by approximately 100 mgd, and the program was considered a model program by the Environmental Protection Agency.



Firm:

Delta Consultants, LLC

Years of Experience: 48

Years with the Firm: 1

Education:

BS in Civil Engineering, Florida International University, 1978

Areas of Expertise:

Program Management

Construction Management

Utility Coordination

Utility Operations & Maintenance



JOSE PENAFIEL

CEI/Inspection



YEARS WITH CES:

15

YEARS WITH OTHER FIRMS:

20

EDUCATION

BS, Civil Engineering, Catholic University, Guayaquil, Ecuador, 1979

TRAINING & CERTIFICATIONS

TIN: P51443354

ACI I – Concrete Laboratory / Strength Testing Technician

ACI I - Concrete Field Testing Technician

Nuclear-Density Gauge Operation

Mr. Jose Penafiel brings 35 years of domestic and international experience in construction engineering inspection (CEI), quality assurance, and field supervision. He has performed detailed civil and structural inspections on major infrastructure projects, including airport terminals, runways, bridges, and utility installations. His CEI expertise includes daily on-site inspection, contractor oversight, review of submittals and shop drawings, and coordination of safety compliance and quality control. He is proficient in blueprint reading, construction documentation, and managing project punch lists and contractor payments.

Experience includes:

Miami International Airport South Terminal Expansion Program, Miami, FL: Civil/Structural Inspector for the \$680M airport terminal and concourse facilities project, performing supervision and detailed inspections of earthwork, foundation, masonry, and major structural concrete structures, as well as overhead walkways and bridges. Assisted with the day-to-day management of subcontractors' quality control programs on behalf of the construction manager at-risk.

Fort Lauderdale-Hollywood International Airport New Runway & Taxiway Rehabilitation, Hollywood, FL: Senior QA Inspector responsible for providing Quality Assurance (QA) Inspections for the construction of a new runway and the rehabilitation of taxiways, including earthwork, soil improvement, rebar, and PCCP.

Seminole Tribe of Florida Tribalwide CEI Continuing Services Contract, STOF Reservations, FL: Senior Inspector for work that includes coordinating inspection activities from Notice to Proceed through Final Completion for each task order and daily on-site, full time inspection to determine compliance with contract documents, approved submittals, shop drawings, and permits. Duties also include verification that contractor initiates, maintains, and supervises all safety precautions and programs; maintenance of job site records and permits; project reporting; evaluation and approval of contractor's payment and procedures; change order review and approval; providing interpretations of contract documents; reviewing and responding to contractor's substitution requests; coordinating record drawings with the contractor; and project punch list coordination, including advising on payments, partial release of retention, final payment, release of retention, and release of insurance and bonds. Jose was the Inspector for the new school facility to house the Pemayetv Emahakv Charter School Tribal Immersion Program at the Brighton Reservation, for the Phase 1 construction of a Recreational Center at the Immokalee Reservation, and for the new Preschool and Playground at the Brighton Reservation.

I-595 Expansion, Fort Lauderdale, FL: Senior Quality Inspector that supervised different concrete pours and ensured that the concrete mix met job specifications; made concrete cylinders in the lab to check their strength; performed the slump and air content tests on a daily basis onsite; and was involved in paving operations. In his Quality Control capacity, his assignment was to ensure that the bituminous mix was paved according to the guidelines delineated in the project specifications.

Ave Maria University Projects, Naples, FL: Senior Inspector that worked on several Ave Maria University facilities providing inspections of large precast dome structures at the Ave Maria Catholic Church on the campus.

University of Miami & Omni Mall Inspections, Miami, FL: Senior Inspector that performed rebar and welding inspections at a major University of Miami campus facility and at Omni Mall.

Port of the Guayaquil Project, Guayaquil, Ecuador: Senior Inspector that supervised dredging activities and the construction of six piers, associated facilities, and rock- and earth-filled dikes for the expansion of the Port of the Guayaquil.



JOSE HERNANDEZ

CEI/Inspection



YEARS WITH CES:

3

YEARS WITH OTHER FIRMS:

7

EDUCATION

BCSE, Mechanical Engineering,
Universidad del Zulia, Venezuela,
2012

CERTIFICATIONS & TRAINING

TIN: H24089220

Auger Cast Pile Computer Based
Training

ACI Concrete Strength Testing
Technician

CTQP Asphalt Paving Levels 1 & 2

CTQP Auger Cast Pile Inspector

CTQP Drilled Shaft Inspection

CTQP Earthwork Construction
Inspection Level 1

CTQP Final Estimates Level 1

CTQP Pile Driving Inspection

FDOT TTC/MOT – Maintenance of
Traffic, Advanced

Nuclear Safety Certification

Qualified Stormwater Management
Inspector

Fall Prevention Safety

SOFTWARE

Microsoft Office

Warrior 8

Pile Driving PDA

Mr. Jose Hernandez is a highly skilled construction inspector with over a decade of experience in construction engineering and inspection, specializing in roadway and drainage improvements, drilled shafts, and driven piles. He has a proven track record of ensuring compliance with contract documents, approved submittals, and permits on a variety of complex infrastructure projects. Jose's expertise includes inspection and reporting of deep foundation installations, roadway reconstruction, milling and resurfacing, and drainage improvements. Notable projects include CEI oversight for FDOT-permitted work, seawall and roadway widening in Miami Beach, and foundation installations for signature bridge projects in Miami. With a strong focus on quality assurance, safety compliance, and detailed reporting, Jose ensures timely and efficient project delivery.

Experience includes:

Seminole Tribe of Florida Tribalwide CEI Continuing Services Contract, STOF Reservations, FL:

Senior Inspector. Work includes coordinating inspection activities from Notice to Proceed through Final Completion for each task order and daily on-site, full time inspection to determine compliance with contract documents, approved submittals, shop drawings, and permits. Duties also include verification that contractor initiates, maintains, and supervises all safety precautions and programs; maintenance of job site records and permits; project reporting; evaluation and approval of contractor's payment and procedures; change order review and approval; providing interpretations of contract documents; reviewing and responding to contractor's substitution requests; coordinating record drawings with the contractor; and project punch list coordination, including advising on payments, partial release of retention, final payment, release of retention, and release of insurance and bonds. Projects served under this contract include:

- » **New Senior Center, Hollywood:** Construction of a new Senior Center within the growing Seminole Estate development featuring amenities such as a game room, arts and craft area, an indoor and outdoor pool, massage rooms, and workout area.
- » **Seminole Park Phase III Homes, RV Hide-Away Area, Hollywood:** Construction of 29 new townhomes and community playground at the reservation's old RV Hide-Away area. Oak trees from the site were also relocated along Osceola Drive and Royal Palm Blvd. at Seminole Estates.
- » **Eight Clans Multifamily Development Replacement, Hollywood:** Multifamily redevelopment replacing the existing Eight Clans Estates buildings. The new construction of eighteen (18), approximately 2,200 SF, 3- and 4-bedroom, two-story townhomes. Amenities include a playground, open space, fenced lanai's, and guest parking.
- » **New Preschool & Playground, Big Cypress:** The new Preschool, adjacent to the Senior Center, will serve children ages one- to five-years-old and feature classrooms, cafeteria, kitchen, open-air playground, and supporting administrative offices across approximately 34,700 SF. Additional scope includes raising the entire site's elevation by one foot.
- » **New Senior Center, Big Cypress:** The 21,000 SF Senior Center, located parallel to the new Preschool, will include a cafeteria/flex area, commercial kitchen, game area, pottery lab, fitness room, showers, supporting administrative offices, plus a full building generator. Additional scope includes raising the entire site's elevation by one foot.
- » **Immokalee Recreational Center Phase 2, Immokalee:** Construction of the recreation center building, Boys & Girls Club, and parking lot.

Indian Creek (SR A1A) Phase III, AS343 - FIN 439228-2-58-01, Miami Beach, FL. Jose inspected and reported the full installation of 7 drilled shafts of 17-feet deep for miscellaneous structures and 8 driven piles of 25-feet deep to hold pump station dissipator. He also inspected and reported 2,200 LF of existing drainage pipes lining.



WALTER SARMIENTO

CEI/Inspection



YEARS WITH CES:

2

YEARS WITH OTHER FIRMS:

23

EDUCATION

Computer Programmer, Florida
Computer & Business School,
Miami, Florida, 1990

Computer Analyst, Unitec
(Universidad Tecnológica), Bogotá,
Colombia, 1989

CERTIFICATIONS

TIN: S65590163

CTQP Asphalt Paving Levels 1 & 2

CTQP Concrete Field Tech Level 1

CTQP Earthwork Construction
Levels 1 & 2

CTQP Drill Shaft Inspection

CTQP Final Estimates Level 1

ACI Concrete Field-Testing
Technician

IMSA Traffic Signal Technician

Nuclear Safety Certification

Hazmat Nuclear Devices
Transportation

FDOT MOT - Advance

FDOT MSE Wall & Reinforced Soil
Slopes

OSHA 30 Certified

TECHNICAL SPECIALTIES

FDOT PrC & one Network

FDOT MAC

FDOT Earthwork Record System
(ERS)

ERS Plot Graphs for Density Log
Books

Mr. Walter Sarmiento has over 25 years of experience providing construction engineering inspection (CEI) services on FDOT District 4 and 6 roadway and infrastructure projects. His expertise includes full-time, on-site inspection of complex civil and structural activities such as asphalt paving, drainage systems, bridge and bulkhead construction, lighting and signalization, noise walls, and landscaping. Walter has served as a Senior Inspector on high-profile public works projects, where he has overseen contractor compliance with project specifications, safety programs, permits, and quality control requirements. He is experienced in reviewing submittals, coordinating with contractors, maintaining inspection records, and managing punch lists and closeout procedures. His technical background also includes proficiency in computer-aided design.

Experience includes:

Seminole Tribe of Florida Tribalwide CEI Continuing Services Contract, STOF Reservations, FL:

Senior Inspector providing CEI services under a multi-year continuing services contract, overseeing construction activities from Notice to Proceed through Final Completion for each task order. His role includes daily, full-time on-site inspections to ensure compliance with contract documents, approved submittals, shop drawings, and permits. He is responsible for verifying that contractors implement and maintain all required safety programs, maintaining accurate job site records, and ensuring all permits are in place. Additional responsibilities include preparing project reports, reviewing and approving contractor payment applications, processing change orders, interpreting contract documents, responding to substitution requests, and coordinating record drawings. Mr. Sarmiento also manages project closeout activities, including punch list coordination and providing recommendations on payments, release of retention, and insurance and bond releases.

Broward County, School Zone Flasher Improvements Projects, Broward County, FL:

Senior Roadway Inspector in charge of inspecting all aspects of construction for several improvement projects (Project No.'s 9921-69, 9921-90, 9921-95, 9921-97, 9921-113, 9921-114) including installing new electrical service wire, aluminum signal pole, new sidewalk, signage, sign beacons, and thermoplastic pavement markings.

FDOT D4 SR AIA Mobility Improvements Project, FM# 441360-1-52-01, Broward County, FL:

Senior Roadway Inspector. Project improvements estimated at \$6.38M include milling and resurfacing the existing travel lanes, widening the roadway to accommodate designated bike lanes, adding a sidewalk along the west side of the roadway between Opal Towers and SE 10th Street, upgrading existing mid-block pedestrian crossings with Rectangular Rapid Flashing Beacon Signs, raising the roadway elevation from 900 Hillsboro Mile to south of Le Baron Apartments.

SFWMD STA-2 Refurbishment Cell-2, West Palm Beach, FL:

Senior Inspector observing contractor activities including, but not limited to, dewatering, regrading, demucking and soil inversion. The Stormwater Treatment Area 2 (STA-2) refurbishment objective is to improve the treatment performance by addressing compromised hydraulics and vegetation sustainability caused by inappropriate cell features and uneven ground elevation. These goals are being achieved by the addition of import fill, allowing grading to a consistent elevation, and therefore allowing reliable sheet flow across the treatment area.

FDOT D4 NW 21st Ave. from Oakland Park Blvd. to Commercial Blvd., Broward County, FL:

Senior Roadway Inspector for this \$8M project that includes the bridge replacement over the C-13 canal, roadway widening, milling and resurfacing and new signalized intersections.



MARY CARDENAS-ALDIR

CEI/Inspection



YEARS WITH CES:

1

YEARS WITH OTHER FIRMS:

14

EDUCATION

MS, Law, Washington University,
2018

MS, Environmental Engineering and
Science, John Hopkins University,
2011

BS, Law, Universidad Catolica
Andres Bello, Caracas, Venezuela,
1998

BS, Civil Engineering, Universidad
Santa Maria, Caracas, Venezuela,
1998

CERTIFICATIONS & TRAINING

TIN: C63558072

CTQP Earthwork Construction
Inspection – Levels 1 & 2

CTQP Asphalt Paving Technician –
Levels 1 & 2

CTQP QC Manager

Nuclear Safety

FDOT TTC/MOT – Maintenance of
Traffic, Advanced

FDEP Qualified Stormwater
Management Inspector

Ms. Mary Cardenas-Aldir is an accomplished Project Administrator with over 15 years of experience in construction management, including significant expertise working with municipal sector clients on a wide range of infrastructure and building projects. Beginning her career as a field inspector, she has developed a strong foundation in contract and construction document accuracy and quality project delivery. Her experience spans water main replacements, seawall installations, roadway improvements, and capital improvement projects, with responsibilities such as coordinating project schedules, managing compliance with FDOT and municipal standards, overseeing CEI teams, and facilitating project closeouts. Mary's comprehensive knowledge of contract administration, inspection protocols, and regulatory requirements positions her as a valuable asset in managing complex construction projects efficiently.

Experience includes:

SFWMD CPM/CEI for Homestead Field Station, Phase 2, Homestead, FL: Construction Manager (staff augmentation) under the SFWMD Continuing Services Contract providing construction management for this project, completing the overall master plan and projects for the site. Phase 2 includes the demolition of existing buildings B-40, B-60, and B-148 and the construction of a new administrative office building, a new service garage building with new welding areas, a new vehicle service port/wash station, a new dock and launching area, removal of the failing rip rap at the canal bank and hardening of the canal bank to provide future use and access to the C-103 canal, fencing, controlled gate access, surveillance systems, new asphalt and concrete pavement to accommodate equipment maneuvering clearances, new utilities infrastructure, and a new stormwater management system, including retention, exfiltration, and sewer systems.

Seminole Tribe of Florida Tribalwide CEI Continuing Services Contract, STOF Reservations, FL: Senior Construction Engineering Inspector for ongoing CEI services through a multi-year continuing services contract, providing full-time on-site inspection and coordination from Notice to Proceed through Final Completion. Responsibilities include ensuring compliance with contract documents and permits, maintaining site records, reviewing submittals and change orders, verifying safety practices, and coordinating punch list items and project closeout. Additional duties include evaluating contractor payments, reviewing substitutions, and supporting final approvals for retention, insurance, and bonds. Projects include:

- » **Seminole Park Phase III Homes, RV Hide-Away Area, Hollywood:** Construction of 29 new townhomes and community playground at the reservation's old RV Hide-Away area. Oak trees from the site were also relocated along Osceola Drive and Royal Palm Blvd. at Seminole Estates.
- » **Eight Clans Multifamily Development Replacement, Hollywood:** Multifamily redevelopment replacing the existing Eight Clans Estates buildings. The new construction of eighteen (18), approximately 2,200 SF, 3- and 4-bedroom, two-story townhomes. Amenities include a playground, open space, fenced lanai's, and guest parking.

City of Miami Beach, CEI for Seawalls at 48th & N Bay Road & Flamingo Drive & 29th Street, Miami Beach, FL: Project Administrator / Project Manager for the new seawall installation, roadway widening, roadway reconstruction, milling and resurfacing, drainage improvements, signalization, and pavement markings. The project scope includes the replacement of the existing seawall sections on 29th Street, including the installation of 49 LF of concrete/sheet piles seawall, 50 LF of concrete seawall cap, six (6) concrete piles, three (3) concrete batter piles, one row of limerock rip rap boulders, roadway widening, roadway reconstruction, milling and resurfacing, drainage improvements, signalization, and pavement markings.



CARLOS CORREA

CEI/Inspection



YEARS WITH CES:

2.5

YEARS WITH OTHER FIRMS:

17.5

EDUCATION

BS, Civil Engineering Technology,
Politecnico Colombiano Jaime Isava
Cadavid, 1990

CERTIFICATIONS & TRAINING

TIN: C60010161

CTQP Asphalt Paving – Levels 1 & 2

CTQP Earthwork Construction
Inspection – Level 1

FDOT Concrete Field Inspector
Specification

CTQP Final Estimates – Levels 1 & 2

ACI Field Testing Technician-Grade I

TROXLER Nuclear Training and
Safety

HAZMAT Training Certification

FDEP Qualified Stormwater
Management Inspector

FDOT TTC/MOT – Maintenance of
Traffic, Advanced

ISMA Traffic Signal Inspector

Florida Intermediate Work

Earthwork Records System
Workshop Training (course)

AutoCAD Release 13 Training Course

Mr. Carlos Correa is a seasoned CEI professional with 20 years of experience supporting complex transportation and infrastructure projects across Florida and Texas. He has served as a Senior Inspector and Assistant Project Administrator on a wide range of assignments involving roadway reconstruction, widening, milling and resurfacing, drainage, bridge substructure rehabilitation, lighting and signalization, and utility coordination. His extensive CEI expertise includes overseeing contractor compliance, verifying materials and installations, documenting pay quantities, ensuring MOT adherence, and conducting safety and quality inspections. Carlos has contributed to high-profile projects for FDOT District 6, Miami-Dade County, and municipalities across South Florida, consistently delivering accurate documentation and technical reviews that support successful project delivery.

Experience includes:

PortMiami, Shore Power Project at Terminals A, B, F, V & MSC, CES Consultants, Miami, FL: Senior Inspector. The PowerCon system will provide shore-side electricity for cruise ships at Terminals A (Royal Caribbean), B (Norwegian Cruise Line), F (Carnival), V (Virgin), and MSC Cruise Line. Each shore power system consists of eight (8) standard 20-foot shipping containers that house all the needed electrical components. Shore power (or cold ironing) is seen as key to eliminating ship emissions in port, as each shore power system will allow three (3) ships to be plugged in simultaneously. Provided professional services including, but not limited to, administration of construction (management and document control); civil/structural/mechanical inspections; witness testing; review of shop drawings, submittals, scheduling, and invoices; preparation of punch lists; and project close out.

FDOT D6, CEI Services for Various Roadway Projects, Miami-Dade County, FL: Senior Inspector whose jobsite responsibilities included assisting with all required inspection and documentation of field activities associated with quantities take off and contractor payments. Scope of projects included milling and resurfacing, drainage improvements, signing and pavement markings, sidewalk, and curb ramps upgrade to meet ADA compliance.

FDOT D4, CEI Services for Lyons Road Improvements Project, T4447 - FIN # 435101-1-52-01, Boca Raton, FL: Senior Inspector. Improvements to Lyons Road just south of Glades Road, from Norte Lago to Pine Springs Drive. Responsible for assisting with all required inspection and documentation of field activities associated with quantities take off and contractor payments. Scope for this 0.693-mile, \$3.5M project included reconstruction of the three existing horizontal curves along the corridor to improve super elevation; milling and resurfacing; drainage improvements; signing and pavement markings; sidewalk and curb ramp upgrades to meet ADA compliance; and the addition of a right-turn lane from Lyons Road to Norte Lago in the southbound direction.

City of Fort Lauderdale, CEI Services for NE 13th Street Complete Streets Project (#19196), Fort Lauderdale, FL: Senior Inspector/Assistant Project Administrator. Project encompasses NE 13th Street from NE 4th Avenue to NE 9th Avenue with the goal of creating safe multi-modal access for all users, such as: lane reductions, bike lanes, enhanced crosswalks, pedestrian scale street lights, on-street parking, landscaping and ADA Improvements. Scope was inclusive of milling and resurfacing, lighting, handicap ramps, and bio swales. Assisted with all required inspection and documentation of field activities associated with quantities take off and contractor payments. Cost: \$1.3M

CEI Services for Las Olas Streetscape, Broward County, FL: Senior Inspector. Project included drainage, utility relocation, paving, sidewalk pavers, landscaping, signals, and decorative lighting.

CUMMINS | CEDERBERG

Coastal & Marine Engineering

JENNIFER E. BISTYGA, EI

Senior Coastal Engineer



YEARS OF EXPERIENCE

- 24

YEARS WITH FIRM

- 2

EDUCATION

- MBA, DeVry University
- BS, Ocean Engineering, Florida Institute of Technology

LICENSES

- Florida EI #1100012829

CERTIFICATIONS

- PADI SCUBA Diver (Advanced and Nitrox)
- NIMS ICS 100 and NIMS 700 certified
- USACE Construction Quality Management for Contractors Certificate
- Oracle Primavera P6 Professional

PROFESSIONAL AFFILIATIONS

- Member, Women of Western Dredge Association (WOW)

Jennifer has over 24 years of project management experience in marine construction. Her expertise includes coastal restoration, beach renourishment, interior dredging, canal dredging, and seawall construction. She is proficient in project bidding, budgeting, and scheduling, offering a wealth of knowledge and skill to enhance project management endeavors. In addition, her responsibilities include engineering, permitting, design, procurement, and the execution of construction for a wide array of projects. This includes sustainability initiatives, seawalls, docks, decking, waterfront parks, coastal and estuarine restoration, and enhancement projects.

RELEVANT PROJECT EXPERIENCE

Hollywood North Beach Park Tidal Flood Resiliency and Mitigation, Hollywood, Florida. Project manager for the mangrove wetland survey, two (2) marine resource surveys, and the development of a water level analysis memorandum including a SLIP study coordination. This is phase 1 of the project.

Jensen Beach Mosquito Impoundment Basin, Miami, Florida. Project manager for the permitting design and construction drawings for constructing two (2) new hydrologic connections to the Indian River Lagoon (IRL) on the west side of the project site: one (1) culvert and one (1) breach of the existing berm surrounding the impoundment basin. The locations of the proposed connections were proposed culvert locations pipe S and pipe U. The proposed work aims to enhance the transport of tidal water and organisms between the impounded wetland. This involves activities such as securing environmental permitting, conducting engineering design, and preparing construction documents.

Phillippi Creek Maintenance Dredging Feasibility Study, Sarasota, Florida. Providing marine engineering and environmental consulting services to conduct a feasibility study to identify potential maintenance dredging needs for approximately 6,700 LF of existing channel along the western portion of Phillippi Creek.

Fort Pierce Inlet Sediment Impoundment Basin, Phase I, Fort Pierce, Florida. Responsible for mechanically dredging 65,000 cubic yards of sand and rock from the Fort Pierce Inlet designated sand trap and barging this material to an offshore DMMA site. Tasks included daily quality control reports, turbidity monitoring/reporting, collaborating with State, County, and local agencies.*

Jupiter Inlet District Loxahatchee River Central Embayment Main Channel Maintenance Dredging, Jupiter, Florida. The project consisted of hydraulically dredging over 10,000 cubic yards of sand from the main channel and placing this material on a DMMA site. Responsibilities included generating daily quality control reports, monitoring and reporting turbidity levels, and collaborated with State, County, and local agencies.*

*Services provided from previous firm

CUMMINS | CEDERBERG

Coastal & Marine Engineering

JORDON CHEIFET, PE, CFM

Senior Coastal Engineer



YEARS OF EXPERIENCE

- 19

YEARS WITH FIRM

- 6

EDUCATION

- MSc Ocean and Resources Engineering, University of Hawaii
- BSc Civil Engineering, Pennsylvania State University

LICENSES

- Florida PE No. 72876

CERTIFICATIONS

- Certified Floodplain Manager
- Certified Video Ray ROV Operator
- Surface Supplied Air Underwater Inspection Certification
- Advanced/Rescue/Nitrox SCUBA

PROFESSIONAL AFFILIATIONS

- Association of State Floodplain Managers, Member
- Florida Floodplain Managers Association, Member

Jordan is a marine and coastal engineer with more than 19 years of technical and project management experience, including coastal engineering, beach nourishment design, waterfront structure design, FEMA coastal floodplain mapping, shoreline restoration/stabilization design, numerical modeling, and marina design. His field experience includes underwater waterfront facility inspections, GIS/GPS data collection and analysis, surveying, and construction administration. Jordan is a registered Professional Engineer in the State of Florida, Alabama, and Texas, as well as a Certified Floodplain Manager.

RELEVANT PROJECT EXPERIENCE

Tidal Flood Mitigation and Shoreline Protection, Hollywood, Florida. The project consists of evaluating 22 areas, covering over 10,000 LF of shoreline, along the areas known as North and South Lake in the City of Hollywood. Each area will have specific solutions to address seasonal flooding challenges, which may entail the design and implementation of varied shoreline protection infrastructure such as of living shorelines, rock revetments, and bulkheads, to meet the requirements of the new Broward County ordinance. Jordan has performed upland and in-water engineering site inspections along City owned shoreline to evaluate conditions of existing seawalls and revetments. He has also analyzed tide gauge data to determine tidal prisms, lag time, and water elevation differences. The analysis from this data will be used in the design of the flood mitigation structures.

City of Deerfield Beach Stormwater Master Plan, Deerfield Beach, Florida. Conducted a field investigation to evaluate existing coastal stormwater and flood defense structures in tidal waters relative to service life for the City. The project included a detailed analysis of historical water levels to establish design water levels based on king tides, storm events, and long-term sea level rise projections. Recommendations for maintenance and repairs were summarized in a Coastal Condition and Resiliency Report.

Currie Park Redevelopment, West Palm Beach, Florida. Jordan is the EOR for all the waterfront design for the Currie Park Redevelopment project. Project includes marine surveying, engineering design, environmental permitting, and grant implementation support for the waterfront work including rock revetment, living shoreline, boat ramp improvements, kayak launches, new over water piers and boardwalks, and “social” steps down to the water.

City of West Palm Beach Pilot Seawall Elevation Project, West Palm Beach, Florida. The Pilot Project includes replacement of ~1,700LF of seawall at a higher elevation and adding living shoreline components to support the City’s efforts to provide additional protection to upland infrastructure to reduce flooding from sea level rise, storm surge, and wave overtopping. Project manager and EOR responsible for public outreach, concept design, field investigations, engineering design, bidding and construction support services.



Jason Bird, CFM | Resilience

Jason is a seasoned civil engineering professional and Jacobs' Florida Resilience Practice Leader and a Water Resources Solutions and Technology Lead for the US South. He has vast experience in commercial, residential, public open space, utility, stormwater and transportation projects from feasibility studies to conceptual planning, through design, permitting, and construction administration. His focus on water resources, water conservation, infrastructure assessment, green infrastructure and sustainability, including LEED and ENVISION evaluations for municipal, master planned communities, and US federal facilities. He has applied his knowledge of infrastructure planning and design including climate scenario development to risk and vulnerability evaluations and development and prioritization of adaptation strategies to mitigate current and future threats to inform capital investment and enhance the resilience of built and natural assets.

YEARS OF EXPERIENCE

25 Years

YEARS WITH JACOBS

14 Years

EDUCATION AND TRAINING

» Extensive experience managing design and construction phases of complex Government projects

REGISTRATIONS | CERTIFICATIONS

» Certified Floodplains Manager

KEY RELEVANT EXPERIENCE

Ocean Outfall Legislation Program, Miami-Dade Water and Sewer Department, Miami, FL

Resilience Lead: \$2.6 billion program involves wastewater system master planning and the design, procurement, construction, and commissioning of 26 major capital projects at WASD's North, Central, and South WWTPs to address Ocean Outfall Legislation requirements by 2025. Jason served as the Resilience Lead for WASD's West District-Water Reclamation Facility, where he performed a review of current and future climate/flood hazards including storm surge, SLR, and rainfall that influence elevated groundwater levels and pose risks to the proposed WWTP. He also prepared minimum design criteria and adaptation strategies to mitigate flood risk and published a conceptual design report.

City of Jacksonville Resilient Stormwater Plan, City of Jacksonville, Jacksonville, FL

Resilience Task Lead. As subconsultant to a prime firm, supported development of evaluation methodology for asset flood vulnerability assessment and strategies for adaptation plan to protect critical assets from coastal and rainfall induced flood risk

today and over their anticipated service life in the City of Jacksonville. The project entailed the selection of critical watersheds within the City based on a series of evaluation metrics including their overall flood vulnerability and the presence of critical facilities within the watershed. Once selected, a more in-depth analysis of specific critical facilities was conducted to identify asset level vulnerabilities and the application of adaptation strategies to mitigate flooding and to maintain operational continuity for those facilities.

Integrated Sea Level Rise Mitigation and Stormwater Management Plan, City of Miami Beach, Miami Beach, FL

Task Lead. Development of a multi-disciplinary flood mitigation project focused on reducing flood risk in the City of Miami Beach through a comprehensive and integrated approach to managing water resources. This project included updating the City's street raising policy to accommodate future sea levels while maintaining access to private properties, and development of a neighborhood project prioritization methodology. The methodology factored in numerous City infrastructure needs including improvements to critical services such as potable water distribution, sanitary sewer collection, stormwater management, transportation access, and environmental and social system improvements such as sidewalks, street trees and BGI for stormwater quality treatment.

Nature-Based Coastal Defense Alternatives Analysis Study, TNC, Miami-Dade County, FL

Project Manager. Evaluated four select sites along Biscayne Bay coastline for level of protection against storm surge, provided by nature-based systems to determine return of investment focused on multiple benefits. Project included modelling multiple climate scenarios including sea level rise and surge events for the years 2040 and 2075 to understand system performance, and he performed alternatives cost benefit analysis for built and nature-based coastal protections.

Stormwater Management Master Plan Update, City of St. Petersburg, St. Petersburg, FL

Climate Resilience Lead. The goal of the project was to develop Stormwater Master Plan for the City, which consists of 26 basins. Phase I of the project is complete, where the Basin C was updated by converting the existing model to SWMM 5.0, updating the database and model using the latest ERP/As-built and land use data. The updated models develop critical storm analysis and best management practices (BMP) Analysis. Additionally, climate resilience is provided through development of future boundary conditions and flood scenarios including sea level rise and change in rainfall. Phase II of the project started in 2018, which will include updating all 26 basins in the City to identify and prioritize capital projects.



A GHD Principal

Steven A. Janosik PE

Senior Geotechnical Engineer



Experience

24 years total
24 years GHD

Qualifications/Accreditations

- Professional Engineer (PE): Florida, Maryland, and Tennessee
- Bachelor of Science in Civil Engineering (BSCE), Cum Laude, Geotechnical and Transportation Engineering Specialization, 2003, University of South Florida (USF)

Relevant experience summary

Steven has 24 years of experience in forensic engineering assessments with accompanying expert witness testimony, geotechnical engineering design, and construction materials testing, including threshold inspections of reinforcing steel, pile inspections and construction vibration monitoring. His forensic engineering expertise is focused on the evaluation of subsidence related damage to structures, earthen slope and retaining wall failures, construction vibration damage, and pavement failures. His geotechnical engineering design expertise encompasses sinkhole risk assessment and mitigation, shallow and deep foundation design, pavement design, slope stability analyses, and site suitability studies.

Wiregrass Ranch Developments - Single Family Home Subdivisions, Commercial Parcels, and Multi-Family Townhome Complexes

Senior Geotechnical Engineer (Engineer of Record) | Various Private Clients | Wesley Chapel, Pasco County, FL | 2012 - Ongoing

Representative developments included the following: The Ridge, Winding Ridge, Valencia Ridge, Esplanade at Wiregrass Ranch, River Landing, Persimmon Park, Windermere Estates Townhomes, Wiregrass M2 Townhomes, Commercial Outparcels at Wiregrass M3, M7, M12, M15, M20, M25, M28 and C5, 7-Eleven at Wiregrass M14, Controlled Climate Self Storage Facility at Wiregrass M14, Medical Office Building at Wiregrass M21, Hotel Building at Wiregrass M20, Animal Hospital Building at Wiregrass M25, Supermarket at Wiregrass S4, Primrose School of Wesley Chapel, and various associated collector roads and strain pole/mast arm structures. In-house GHD field crews performed borings and/or test pit excavations within proposed parking/drive segments, structure area borings, and stormwater collection area borings. The borings were conducted to develop parameters for foundation, sanitary sewer lift station, strain pole/mast arm, drainage pond and pavement design, and recommendations for associated site preparation and borrow soil suitability for reuse. Seasonal high groundwater table (SHWT) and underdrain requirements were evaluated with respect to Pasco County Land Development Code requirements.

Groundwater Assessment and Stormwater Improvements at Woodlawn Avenue and Perry Avenue

Task Order Project Manager and Senior Geotechnical Engineer (Engineer of Record) |

City of Tampa Stormwater Department | Tampa, FL | 2021 - 2023

A section of roadway near the intersection of Woodlawn Avenue and Perry Avenue was continually saturated,

causing roadway and curb damage. The City attempted to remedy the problem multiple times without success, and retained GHD to determine the proximal cause of groundwater seepage and to design a solution. GHD conducted an initial site visit and performed all services in-house under the Task Work Order, including geotechnical engineering, stormwater engineering, design drawing development, self-performed construction, and construction materials testing. Mr. Janosik served as the Task Order Project Manager and Senior Geotechnical Engineer, with continued technical coordination through end of construction. The seepage issues were remedied.

Matheson Hammock Seawall Replacement

Senior Geotechnical Engineer (Engineer of Record) | Miami-Dade County Parks, Recreation & Open Spaces Department | Coral Gables, FL | 2022

GHD provided existing seawall assessment and preliminary design solutions for this sea level rise and resiliency project. Mr. Janosik developed the geotechnical field exploration plan and provided soil strength parameters to the GHD structural design team. Multiple soil layers were encountered, as well as limestone layers of variable composition and strength. Mr. Janosik selected appropriate rock core samples for laboratory testing to provide refined rock strength parameters. Mr. Janosik also provided general geotechnical consultation regarding shallow foundation construction recommendations and protection of existing structures from ground vibrations.

Downtown Doral South

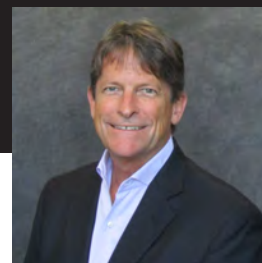
Senior Geotechnical Engineer (Engineer of Record) | Private Client | Doral, FL | 2019 - 2021

GHD provided geotechnical engineering evaluation for an eight-story residential structure wrapped around a multi-level parking garage. Mr. Janosik evaluated soil and limestone bedrock data to provide deep foundation alternatives, as well as ground improvement methods in order to utilize shallow foundations. Project challenges included variable subsurface conditions due to portions of the structure footprint encompassing a previously backfilled lake.



John C. Phillips PE

Senior Geotechnical Engineer



Experience

37 years Total
15 years GHD

Qualifications/Accreditations

- Professional Engineer (PE), Florida
- Bachelor of Science in Civil Engineering (BSCE), Geotechnical Specialization, 1988, University of Florida

Relevant experience summary

John C. Phillips, PE has over 35 years of consulting experience in geotechnical engineering. He has practiced in Florida since 1989, accumulating experience and knowledge of local soil conditions and foundation construction practices. Mr. Phillips has a wide range of geotechnical engineering experience including soil mechanics, shallow and deep foundations for new structures, groundwater evaluations, and ground improvement techniques. He manages geotechnical projects for a large variety of private and public clients.

Senior Geotechnical Engineer |

City of Pinellas Park |

2022 - Ongoing

Geotechnical engineering services for many different City projects including site preparation and foundation design recommendations.

Project Geotechnical Engineer |

Pinch a Penny Headquarters and Warehouse Facility | Largo, FL |

Developed program of geotechnical exploration including soil test borings and test pit excavations that encountered buried landfill materials, requiring removal and replacement prior to conventional shallow foundation construction.

Project Geotechnical Engineer |

Harbour Island | Tampa, FL |

Provided geotechnical engineering for multiple projects on this dredged spoil island including mid rise and high rise residential buildings, numerous single family homes, and the generator structure for the island. Utilized surcharge ground improvement programs and shallow foundations for low to mid rise developments and deep foundations for high rise structures.

Senior Geotechnical Engineer |

Hillsborough River Seawall Study | Tampa, FL | 2022

GHD provided existing seawall assessment and preliminary design solutions for a private multi building development in downtown Tampa. This project involved consideration for sea level rise and future grading plans. Mr. Phillips developed the geotechnical field exploration plan and provided soil strength parameters to the GHD structural design team. Multiple soil layers were encountered, as well as limestone layers of variable composition and strength.

Senior Geotechnical Engineer |

WFLA Station and Headquarters | Tampa, FL |

Provided geotechnical engineering services for multi media facility located on the Hillsborough River in downtown Tampa. Recommended foundations and site preparation program for office building, parking garage, and communications tower.

Senior Geotechnical Engineer |

Hidden River Corporate Park | Tampa, FL |

Provided geotechnical engineering services for multiple office buildings and apartment development in suburban office setting. Subsurface conditions included karst topography and site preparation included vibro replacement with stone columns to improve and pre collapse sinkhole conditions. During construction, Mr. Phillips also managed the engineering monitoring for the ground improvement operations.

Project Geotechnical Engineer |

345 Bayshore | Tampa, FL |

Developed program of SPT soil borings to characterize the subsurface conditions and provided recommendations for a deep foundation system utilizing drilled shafts for foundation support for 20 story structure. Drilled shafts were selected to support the uplift and compressive loads on the relatively shallow limestone formation. Provided full scale load test consulting services.

Project Manager and Geotechnical Engineer |

Private Client | Tampa, FL |

2021 - 2022

Developed soil boring and ground penetrating radar plan to evaluate subsurface conditions with respect to the construction of a 9-level precast concrete garage. Subsurface conditions consisted of sand and clay layers over limestone formation. Challenges included foundation development adjacent to existing storm water pipe in proximity to the garage structure. Mr. Phillips also reviewed foundation construction monitoring activities.

Project Geotechnical Engineer |

Sam M. Gibbons U.S. Courthouse Tower | Tampa, FL |

Developed program of SPT soil borings to characterize the subsurface conditions and provided recommendations for a deep foundation system utilizing driven steel piles for foundation support for 28 story structure. Steel piles were selected to accommodate the wide range of pile lengths needed for the irregular depth to the limestone bearing layer. Provided full scale load test consulting services.



EDUARDO M. SUAREZ, PSM

Chief Surveyor / Principal

INDUSTRY TENURE

40 years

LONGITUDE TENURE

21 years

EDUCATION

AA, Miami Dade College
(1993)

REGISTRATIONS

Professional Surveyor
and Mapper
FL License No. LS6313

AFFILIATIONS

Florida Surveying and
Mapping Society
Miami Chapter President

America Society of Civil
Engineers
Member

Utility Engineering Surveying
Institute
Member

Leading the team is **Eduardo “Eddie” M. Suarez, PSM**. Recognized for his exceptional leadership, technical proficiency, and commitment to delivering top-tier surveying services, he has successfully navigated complex projects in diverse sectors, including commercial, residential, transportation and infrastructure developments. Having established a reputation for quality, integrity, and client satisfaction, Eddie has built and nurtured strong professional relationships. His collaborative approach ensures seamless coordination between multidisciplinary teams, driving projects toward successful outcomes. With a keen eye for detail and a passion for precision, he orchestrates the team’s efforts with unwavering dedication

The projects listed below include stormwater, drainage, outfall, and water and sewer infrastructure improvements, for which Longitude Surveyors provided topographic surveying, boundary surveying, Subsurface Utility Engineering (SUE), along with other professional surveying services.

- SW 69 Street & SW 63 Avenue Drainage Improvements, City of South Miami, South Miami, FL
- Drainage Improvements for Annex Area, City of Miami Gardens, Miami Gardens, FL
- Drainage Sub-Basin 44, located South of SW 164 Street and SW 74 Court, extending ten feet (10') beyond the Right-of-Way, Miami-Dade Water and Sewer Department, Miami, FL
- Drainage Improvements along SW 71 Avenue, Village of Pinecrest, Pinecrest, FL
- Cutler Bay D3 Drainage Improvements Cutler Bay Montego Bay Drive and Along Blue Water Road, Cutler Bay, FL
- Pump Station 0344 and Emergency Generator 20173 East Country Club Drive, City of Aventura, Aventura, FL
- Harbor Inlet Drive Force Main upside from D-36 to D-35, City of Ft. Lauderdale, FL
- Collect Drainage and Gravity Sewers Rim and Invert Elevations, City of Hallandale Beach, Hallandale Beach, FL
- Venetian Causeway Water and Sewer Main Upgrades, City of Miami Beach, Miami Beach, FL
- Indian Creek Village Force Main, Miami-Dade Water and Sewer Department, Indian Creek, FL
- Basin D2-B Water & Sewer Improvements, Miami-Dade Water and Sewer Department, Miami, FL
- 48 Inch (48") Water Main Project along SW 127 Avenue, Miami-Dade Water and Sewer Department, Miami, FL
- Locating a two-inch Force Main from 870 ft. NE from NW 102nd Rd. on NW 121st Way to Pump Station Tarmac Pump Station #2 to Tarmac Pump Station #1, City of Medley, Medley, FL
- Design Build 36" Inch FM-NW 107th Ave. from NW 7th St. to N.W. 25th St, Miami-Dade Water and Sewer Department, Miami, FL
- Design 12" Force Main NE 199 Street, County Road 854, Miami Gardens, City of Miami Gardens, Miami Gardens, FL





GREG BOUIE, PSM

Surveying Project Manager

INDUSTRY TENURE

19 years

LONGITUDE TENURE

1 year

EDUCATION

BS, History
Florida Int'l University (2005)

Surveying and Mapping
Certificate
Southern Polytechnic
State University
(2008)

REGISTRATIONS

Professional Surveyor
and Mapper
FL License No. LS7169

AFFILIATIONS

Florida Surveying and
Mapping Society
Member

Greg Bouie, PSM, is a professional surveyor with 19 years of experience in the surveying and mapping field. He began his career in Dallas, Georgia, focusing on subdivision design and large boundary surveying projects around the Metropolitan Atlanta area. Greg started as an instrument person while studying surveying and mapping at Southern Polytechnic State University, gaining valuable field experience alongside his education in survey theory. Over the years, Greg has worked with well-known firms on a variety of projects, steadily growing his expertise. In 2018, he became a licensed surveyor in Florida, a key milestone in his career. In 2024, Greg joined the Longitude Surveyors team, where he continues to contribute to the industry and excel in his profession.

The projects listed below include stormwater, drainage, outfall, and water and sewer infrastructure improvements, for which Longitude Surveyors provided topographic surveying, boundary surveying, Subsurface Utility Engineering (SUE), along with other professional surveying services. All projects based out of our Broward office are overseen by Greg Bouie, PSM, who serves as the lead professional for that region.

- Water Main Replacement along Holiday DR, City of Hallandale Beach, Hallandale Beach, FL
- NW 44th Street Improvements, City of Sunrise, Sunrise, FL
- Prospect Road Right-of-Way, City of Oakland Park, Oakland Park, FL
- North Dixie Right-of-Way, City of Oakland Park, Oakland Park, FL
- Indian Creek Drive & 69 Street Pump Station, City of Miami Beach, Miami Beach, FL
- Pump Station No. 22 Discharge Force Main Replacement (South Shore Drive 12" FM Replacement), City of Miami Beach, Miami Beach, FL
- North District Wastewater Treatment Plant - Electrical Distribution Building No. 2, City of North Miami Beach, North Miami Beach, FL
- Drainage Sub-Basins U29 West & East, Village of Pinecrest, Pinecrest, FL
- South Bayshore Drive - Pump Station and Outfall Locations, Miami-Dade Water and Sewer, Miami, FL
- Design Services for Pump Station 0063, Miami-Dade Water and Sewer, Miami, FL

Streets/Mobility/Neighborhood Projects:

- FDOT Parcel 900 NW 6th Avenue and NW 151st Streetm FDOT D6, Miami, FL
- Traffic Circle at North Bayshore: N. Bayshore Drive from NE 15 Street to NE 17 Terrace, City of Miami, Miami, FL

Facilities Projects:

- Christ the King Church - Set Southern Boundary Corners
- SE corner of Marina Village DR and Fishing Village DR Key Largo, FL 33037 Marina Village, Grayvik Animal Hospital
- Soleste Spring Garden Apartments, 1005 Spring Garden Road, Platting Services, The Estate Companies, Miami, FL
- Baptist Health Main Campus, 8900 North Kendall Drive, Miami, FL
- Mount Sinai Medical Center, FDOT Easements - 4300 Alton RD Miami Beach, FL





FREDERICK THOMPSON, CGC

Procurement/Bidding Support

YEARS WITH CES:

<1

YEARS WITH OTHER FIRMS:

30

EDUCATION

BS, Civil Engineering, Manhattan College, Riverdale, NY

Diploma in Structural Engineering, C.A.S.T., Jamaica, WI

Certificate in Construction Studies and Quantity Surveying C.A.S.T., Jamaica, WI

G2 Certificate in Construction Technology, ULCL, London England

REGISTRATIONS, CERTIFICATIONS & TRAINING

Florida Certified General Contractor #CGC150966

TWIC – Federal Clearance to Work in High Security Areas – Exp. 30-April-22

FDOT Final Estimate Certification

OSHA – 30-Hour Certificate in Construction Safety

US Patent – US 6,393,410 B1 – System for listing construction information over a computer network

PROFESSIONAL AFFILIATIONS

Association for the Advancement of Cost Engineers, Member

US Green Building Council, Member

American Society of Professional Estimators, Member

Mr. Frederick Thompson has over 30 years of construction-related experience including serving as VP of Pre-construction and as a Chief Estimator for major national and international construction companies in Florida and New York. He is a proven visionary and strategic leader who translates business strategies into maximum profits commensurate with the best interest of company, customers, employees, and the public. Frederick has worked on projects ranging from \$1 million to over \$1 billion, encompassing a vast array of projects including transportation, heavy construction housing development, condominium, education, and healthcare. Frederick is a State-Certified General Contractor in the State of Florida and the holder of US patent (US 6,393,410 B1) for online bidding and quantity take-off for the construction industry.

Pre-construction areas of expertise include:

- | | | |
|--------------------------|------------------|--------------------------|
| » Transportation | » Education | » Risk Assessment |
| » Heavy Construction | » Design-Build | » Contract Negotiations/ |
| » Healthcare/Sciences | » Hard Bid | Buyouts |
| » Waste Treatment Plants | » Bid Management | » Business Development |

Software includes:

- | | | |
|------------------------|---------------------------|--------------------------|
| » MS Office Advanced | » Primavera P3 Advanced | » HCSS – Heavy Bid |
| » MS Visio Advanced | » Primavera P6 Moderate | Moderate |
| » MS Project Advanced | » Onscreen Take-off (By | » Smartbidnet.com – Bid |
| » Bluebeam Revu 2018 | Oncenter) Advanced | Management Advanced |
| » Adobe Acrobat | » Quick Bid (By Oncenter) | » ISQFT – Bid Management |
| Professional Extended | Advanced | Moderate |
| » Pro-Contractor MX | » AutoCAD – Revit BIM | » AutoCAD – Revit BIM |
| Advanced | Earthwork – Viewpoint | Beginner |
| » Primavera – Suretrak | Advanced | » Quick books |
| Advanced | » Cabinet Vision Moderate | |

Experience includes:

Quantities, Inc., President, Lauderhill, FL: Led overall company operations, business development, and pre-construction support services. A major achievement was the development and patenting of a proprietary online estimating platform (U.S. Patent No. 6,393,410 B1), designed to cut estimating time and cost by approximately 50% compared to traditional in-house methods. The platform allows contractors to input unit prices directly into a familiar spreadsheet-style interface linked to project-specific quantities, enabling fast, accurate bid preparation with fewer errors and greater efficiency. In addition to technology development, the role involved leading strategic business decisions, establishing corporate best practices, and overseeing the launch of digital solutions for bid management, project collaboration, and online bidding. Rigorous pre-construction support was also provided for complex transportation infrastructure projects, including RFP preparation, post-bid analysis, subcontractor buyouts, and value engineering initiatives.

Pirtle Construction, Director of Pre-construction, Davie, FL: Responsibilities included leading all department operations, managing client and design team coordination, and mentoring staff as part of the company's performance management program. The role emphasized early project planning, budget management, and risk mitigation through technology integration. Key initiatives included implementing the ISQFT bid management system to streamline contractor selection and introducing Building Information Modeling (BIM) to improve estimating accuracy and reduce construction risks.



MARY C. RIVERO, CPSM

Procurement/Bidding Support

YEARS WITH CES:

<1

YEARS WITH OTHER FIRMS:

28

EDUCATION

MBA, Business Industrial & Organizational Psychology, Carlos Albizu University, Miami, FL

BA, Business Administration, Organizational Management, Carlos Albizu University, Miami, FL (Magna Cum Laude)

REGISTRATIONS, CERTIFICATIONS & TRAINING

Certified Professional in Supply Management (CPSM)

Certified in Production and Inventory Management (CPIM)

Certified Professional Supply Management (CPSM), International Supply Management (ISM)

Lean Six Sigma, Green Belt

HazMat Certified, Hazardous Material Handling

PMP, Certified Project Management, Department of Transportation

SREF (State Requirements Educational Facilities) Certificate

Notary Public, State of Florida

PROFESSIONAL AFFILIATIONS

The Institute for Public Procurement (NIGP), Member

Association for Supply Chain Management (APICS), Member

National Certified Public Manager Consortium (CPM), Member

Institute of Supply Management (ISM), Member

Ms. Mary C. Rivero is a proven executive leader with over 25 years of experience in procurement, supply chain management, construction oversight, and operational strategy across both public and private sectors. She brings deep expertise in managing multi-billion-dollar capital improvement programs, enterprise-level sourcing strategies, and complex logistics operations, with full accountability for budgeting, compliance, and risk mitigation. Mary is adept at aligning procurement, warehousing, transportation, and construction functions with organizational goals, while driving measurable performance improvements, cost savings, and operational efficiencies. She is known for building and mentoring high-performing cross-functional teams, streamlining workflows, and implementing technology-driven solutions, including ERP systems and data analytics, to support transparency, accountability, and stakeholder engagement. Her background includes extensive experience in regulated environments, public procurement, and supplier diversity, along with a strong track record of leading transformational initiatives across geographically dispersed teams and enterprise-wide portfolios. Her leadership style emphasizes strategic planning, continuous improvement, and collaboration to deliver results that consistently exceed expectations.

Experience includes:

Broward County School Board, Chief Procurement Officer / Director of Procurement, Construction & Warehousing Logistics, Broward County, FL: This role provided strategic oversight for district-wide capital planning, purchasing, logistics, and transportation. Responsibilities included managing over \$3B in annual spend, implementing best-value procurement strategies, and ensuring regulatory compliance across all operations. The position oversaw pre-construction, project management, and program controls for large-scale capital improvement efforts, while also leading supplier diversity, performance management, and cross-departmental coordination. With accountability for multi-warehouse logistics, contract negotiation, inventory control, and policy development, this role supported over 300 schools and administrative sites—driving operational efficiency, transparency, and cost savings aligned with district goals.

Embraer Aircraft Holding, Inc., Head of Operations for Real-Estate, Procurement & Logistics, Fort Lauderdale, FL: This executive role led the development and execution of a global procurement and operations strategy supporting over \$900M in annual spend. Responsibilities included managing construction of major aviation facilities, overseeing real estate and capital project planning, and directing procurement, warehousing, and logistics operations across multiple business units. The position centralized indirect and direct spend for 15 business units, implemented enterprise-wide sourcing strategies, and achieved multimillion-dollar cost savings through performance management and continuous improvement. With expertise in LEAN, Six Sigma, and ERP/MRP systems, this role ensured financial discipline, supply chain efficiency, and alignment with company growth goals while managing vendor relationships, compliance, and risk across Embraer's North American operations.

FirstService Corp. (First Service Residential & Colliers International), Director of Strategic Sourcing & Procurement, Operations & Construction Management, FL: This role oversaw \$4B in purchasing power across real estate, property management, and construction services, driving cost savings through strategic sourcing, contract negotiations, and vendor partnerships. Responsibilities included managing procurement for multi-site operations, developing a three-year corporate strategic plan, optimizing pre-construction and construction sourcing, and centralizing purchasing activities. The position led initiatives in budgeting, risk management, vendor compliance, and performance tracking, while supporting facilities maintenance, logistics, and shared services. Key contributions included operational cost reductions, streamlined procurement processes, and alignment of sourcing strategies with corporate growth objectives and client needs.



Leigh Shaw, CCP, LEED AP BD+C, VMA Lead Cost Estimator

Summary of Qualifications

Leigh Shaw has 18 years of experience providing construction cost control services. She is currently a Project Manager and Senior Cost Estimator with RIB U.S.COST where she performs cost estimating along with QA/QC specifically for our South Florida projects.

Leigh is also responsible for the preparation of detailed quantity take-offs; labor, material, and equipment pricing; and summarizing cost estimates for projects of all types. She serves various clients in a broad range of industry, namely in aviation, healthcare, military, civic, and government.

Specifically for Florida projects, Leigh has worked alongside our Cost Estimating Project Manager for our Florida park projects since she joined the firm over 5 years ago. She has participated on teams for over 20 Florida park projects and within the last three years, has been the Project Manager and Lead Cost Estimator on several of those.

Sample Experience

Optimist Park Redevelopment, Miami Lakes, FL. Cost estimating services for this Redevelopment which included a new 5,000SF multi-purpose building with concessions and restrooms, five (5) baseball fields (375,788SF total), 8,510SF Airnasium, new basketball courts, expansion of an existing parking lot, new landscaping and many site improvements including trails, walkways, fencing exercise stations, benches and more. \$17.4M.

Charles Deering Estate, Palmetto Bay, FL. Multi-phase cost estimating for the Charles Deering Estate Stone House Repair and Renovations project includes a full restoration of all interior and exterior architectural and structural elements, re-roofing and repair of all doors, windows, shutters and screens; new AC unit on the third floor. Repairs for plumbing, HVAC, and electrical systems are also included. Owner: Miami-Dade Parks, Recreation & Open Spaces. 14,200SF. \$2.5M.

West Matheson Hammock Nursery / Dade-County Nursery, Miami, FL. Multi-phase cost estimating for a full restoration of all interior and exterior architectural and structural elements of the Head House and Slat Shed. Included the rebuilding of the Head House walls and roof structure; complete new interior architecture interior construction and finishes; new plumbing, HVAC, and electrical systems. The Slat Shed structure was completely rebuilt to include new slat wall and roof enclosure. A new rotunda was added in the center of the Slat Shed area. Owner: Miami-Dade Parks, Recreation & Open Spaces. 5,580SF. \$4M.

Jacksonville Riverfront Plaza Design, Jacksonville, FL. Multi-phase cost estimating for the redevelopment of the existing Riverfront Landings with a new café / beer garden pavilion and restroom. The café will have a landscaped roof providing pedestrian access with a large, landscaped greenspace with multiple view / relaxation areas. \$43M.

Education

- MS, Construction Management
- BS, Building Science
- Trained - Success Estimator, MII, PACES, CostOS

Certification

- Certified Cost Professional (CCP), #04949
- Value Management Associate, SAVE
- LEED AP Building Design + Construction, 9/1/2010

Years with Firm: 2

Years Experience: 20

Additional Projects

- Broward County Parks & Rec, Everglades Holiday Park - Water Main Extension (*In Progress*)
- Ives Estates Park Improvements, Miami
- Miami-Dade College, Owner's Representative Program Controls Support, Miami
- South Dade Transit Operations Center, Miami Dade Department of Transit, Homestead, FL
- Hollywood Streetscapes, Undergrounding of Overhead Utilities & Streetscape Beautification, City of Hollywood



Marissa Germain

SENIOR SCHEDULER



Years of Experience/with PCI

12+/4

Areas of Expertise

Program & Project Scheduling
Construction Scheduling
Construction Engineering
Claims and Dispute Resolution
Construction Management
Contract Administration

Types of Projects

Water & Wastewater
Commercial
Transportation
Infrastructure

Education

Bachelor of Science in Civil Engineering,
Florida International University, 2011

Software & Systems

Primavera P6
MicroStation
AutoCAD
eBuilder
Prolog
Workman
SketchUp
Blue Beam
QuickBooks

PROFESSIONAL BACKGROUND

Ms. Marissa Germain is a Civil Engineer with over 12 years of experience in construction management, and scheduling of vertical construction and infrastructure projects. She is proficient in program and construction CPM Scheduling using Primavera P6 with thousands of activities on very complex projects and programs. She has extensive experience in change orders, dispute resolution and claims and has helped the programs in effective planning, mitigating crucial delays and assisted the owners with millions in savings in claims review, analysis and avoiding potential claims.

EXPERIENCE

Consent Decree Program, Miami Dade Water and Sewer Department, Miami, Florida

Program Scheduler. The \$2 billion CD Program is an expansion of the Water & Sewer Department Collection, Transmission and Treatment systems as required by the Consent Decree with the EPA. This large and complex program spans over 10 years and includes over 180 projects. As part of the team, responsible for creating, monitoring and updated project schedules, assessed impacts to the critical path and near-critical activities and reported to the project team to find a solution, monitored schedule deviations and variances and assisted in developing alternate methods for corrective action.

Terminal 5, Ft Lauderdale Hollywood International Airport, Broward County, Florida

Senior Scheduler. The \$2 billion CD Program is an expansion of the Water & Sewer Department Collection, Transmission and Treatment systems as required by the Consent Decree with the EPA. This large and complex program spans over 10 years and includes over 180 projects. As part of the team, responsible to created, monitored and updated project schedules, assessed impacts to the critical path and near-critical activities and reported to the project team to find a solution, monitored schedule deviations and variances and assisted in developing alternate methods for corrective action, reviewed schedules with project team members regularly to ensure that accurate and timely data is incorporated in the schedule, made recommendations to manage float and re -sequence activities to achieve project milestone dates and interim target completion dates, analyzed and reviewed contractor schedules to ensure they are compatible with the master program schedule and created, monitored, and updated a resource loaded program schedule which was used to assess the overall financial impacts of change orders and construction delays.

Brickell City Center Project, Miami Dade Transit, Miami, Florida

Scheduler/Project Engineer. As part of the \$1.5 Billion construction project, responsible of developed integrated master plan and work breakdown structure utilizing Primavera P6, maintained master plan/schedule and identified the impact of work performed and not performed as scheduled, created and maintained detailed field schedules in Microsoft Project and Workman, evaluated actual construction progress and provided regular schedule updates for client review, interfaced with operations, owners, suppliers and subcontractors to discuss impact of work and resolution of problems, processed, tracked, and distributed project RFIs and submittals, managed change orders, purchasing and contract administration documents, procured and tracked construction material for structure and finishes.

PortMiami Tunnel Project, Port of Miami, Miami, Florida

MEP Project Engineer. As part of the \$1 Billion tunnel construction, responsible to assist the Senior MEP Engineer with the management of Mechanical, Plumbing, and Fire Suppression sub-contractors for the Port-of-Miami Tunnel Project, reviewed shop drawings, method statements, and technical documents and verified their accuracy to ensure compliance to the design drawings, specifications, and concession agreement, provided quality assurance & quality control (QA/QC) to all packages prior to submission to the client (FDOT).

Contact

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mhsanticola@outlook.com

www.linkedin.com/in/marc-santicola-221092107 (LinkedIn)

Education

University of Pittsburgh Katz
Graduate School of Business
Master of Business Administration -
MBA, Finance · (1977 - 1979)

University of Pittsburgh
Bachelor's
degree, Economics · (1972 - 1976)

Marc Santicola

Business Consultant at SANTICOLA & COMPANY

Experience

SANTICOLA & COMPANY

Business Consultant

July 2019 - Present (5 years 4 months)

Pittsburgh, PA

Cameron, a Schlumberger company

34 years

Hub Accounting Controller

June 2016 - July 2019 (3 years 2 months)

Houston, Texas Area

Responsible for the start-up & leadership of the Cameron Plant Accounting Hub. Built team of 25 employees with primary responsibility for centralizing manufacturing accounting activity throughout the Western Hemisphere.

Successfully led global annual project to update cost on 2.1 million material master records across 180 domestic & international plants in SAP.

Director of Finance

February 2012 - June 2016 (4 years 5 months)

Houston, Texas Area

Led team responsible for remediation of accounting internal control deficiencies in the Process Systems Division, developed and oversaw the cash settlement process from the divestiture of the Cameron Reciprocating Products Group to General Electric and led the plant inventory transformation project in the Cameron Valve & Measurement Group.

Enterprise Specialist

April 2010 - February 2012 (1 year 11 months)

Houston, Texas Area

Member of IT project charged with redesign, testing and re-implementation of SAP. Created new CO master data design, G/L mapping conversion and enterprise reporting structures. Developed and delivered training for the initial rollout and subsequent support following conversion from legacy SAP.

Director of Financial Planning

January 2004 - April 2010 (6 years 4 months)

Houston, Texas Area

Led Finance planning team for the Compression Systems Division with revenues of \$600 million. Worked directly with the President and all VP's to develop strategic plans, the annual budget, quarterly and monthly forecasts with accompanying Corporate presentations. Led the conversion from direct to full absorption costing, the first division in Cameron to successfully undertake this reporting transition.

Director Of Accounting

January 2001 - January 2004 (3 years 1 month)

Houston, Texas Area

Oversaw the successful conversion of four legacy accounting systems to SAP for the Compression Systems Division. Responsibilities included data clean-up, system design, testing, conversion and post go-live stabilization efforts.

Controller

January 1997 - January 2001 (4 years 1 month)

Springfield, Ohio

Ajax-Superior Division controller with responsibilities for major plants in Springfield, OH; Mount Vernon, OH; Oklahoma City and Grove City, PA. Revenues of \$150 million. Led restructure initiatives to consolidate manufacturing facilities.

Controller

January 1992 - January 1997 (5 years 1 month)

Mount Vernon, Ohio

Rotating Products Division controller with responsibilities for major plants in Mount Vernon, OH; Liverpool, UK; Hengelo, NL and Maracaibo, VZ. Revenues of \$300 million. Most revenue involved large projects requiring coordination with joint venture partner Rolls Royce.

Cost Accounting & Budgeting Manager

August 1985 - January 1992 (6 years 6 months)

Mount Vernon, Ohio

Responsible for cost accounting & forecasting activities in the Rotating Products Mount Vernon plants with oversight of international locations.

Smith International

Accounting Supervisor & Cost Accountant

May 1981 - August 1985 (4 years 4 months)

Temple, Texas and Houston, Texas Area

Amanda L. Shepler Grant Professional

475 Niagara Street, Tonawanda, NY 14150

Phone: 716.866.4135

Email: amandashepler@rocketmail.com

Grant Writing Experience:

More than seventeen years of professional experience working full-time with a wide variety of clients:

- | | |
|---|---|
| <ul style="list-style-type: none"> ▪ School Districts (urban, rural, suburban) ▪ Institutes of Higher Education ▪ Hospital Systems ▪ Community-Based Agencies ▪ Municipalities ▪ Tribal Governments | <ul style="list-style-type: none"> ▪ Arts / Education Agencies ▪ Mentoring / Youth Service Agencies ▪ Business Ventures and Start-Ups ▪ Behavioral Health Services ▪ Charter Schools ▪ Museums / Planetariums |
|---|---|

Selected List of Awarded Proposals 2014 – 2022:

- ☑ HRSA Rural Community Opioid Response Program - \$7,800,000
- ☑ Assistance to Firefighters Grant Program - \$2,900,000
- ☑ Distance Learning / Telemedicine Grant Program - \$6,800,500
- ☑ CDC Drug Free Communities - \$1,250,000
- ☑ Native American Career and Technical Education Program - \$2,755,000
- ☑ ANA Community Economic Development Projects - \$2,600,000
- ☑ ANA Social Economic Development Projects - \$3,300,000
- ☑ School Leadership Program - \$3,323,599
- ☑ USDA Farm to School - \$1,400,000
- ☑ New Mexico Youth Conservation Corps - \$810,000
- ☑ Investing In Innovation Fund - \$3,262,113
- ☑ California Charter School Dissemination Grant - \$1,021,000
- ☑ Integration of Schools and Mental Health Systems - \$1,588,000
- ☑ 21st Century Community Learning Centers - \$15,065,760
- ☑ Elementary and Secondary School Counseling Programs - \$2,500,000
- ☑ DOE Assistance for Arts Education Program - \$2,504,000
- ☑ DOE Innovative Approaches to Literacy - \$3,520,000
- ☑ DOE Native American Children in Schools Program - \$6,020,000
- ☑ DOE Advanced Placement Incentive - \$1,899,000
- ☑ Project Prevent - \$2,924,487
- ☑ Demonstration Grants for Indian Children and Youth Program - \$10,700,000
- ☑ Suicide Prevention Services - \$3,850,000
- ☑ IHS Substance Abuse Prevention / Suicide Prevention, Intervention and Postvention - \$4,000,000
- ☑ Native Education - \$1,450,000
- ☑ HHS Mental Health Awareness Grants - \$5,000,000

More than \$185,000,000 secured in grant monies since 2008

Education:

- **Master's Degree in History:** Buffalo State College, May 2006
- **Bachelor of Science in Social Studies Education 5-12:** Buffalo State College, May 2003

Other Experience:

- Substitute Teacher: September 2003 – May 2005
- Program Coordinator – Boys & Girls Clubs of the Northtowns: 1997 – 2005
- Member of the Kiwanis of the Tonawandas – Elected President 2010 - 2011
- Member of the Board of Directors of the Boys & Girls Clubs of the Northtowns 2009 - 2011



BRENT CAMPBELL

ACCOUNT MANAGER



PROFESSIONAL BIO

Brent Campbell is a seasoned marketing and communications leader with two decades of experience crafting and executing strategies that drive growth, enhance brand visibility, and foster meaningful stakeholder relationships. As Director of Client Services at Garth Solutions, Inc. (GSI), Brent directs comprehensive public outreach campaigns, guides creative execution, and ensures that all initiatives are closely aligned with client objectives and business goals.

Brent excels at mentoring teams and cultivating strong client relationships built on trust and impactful communication. He has successfully led numerous high-profile projects, notably spearheading marketing and public relations efforts for the Naples Airport Authority. His role involved strategic planning, coordination of media relations, stakeholder engagement, and high-impact event management. His innovative approach to public sector communications has repeatedly resulted in increased project efficiency, timely campaign delivery, and significant growth for the organizations he serves.

Brent's expertise in strategy, digital marketing, stakeholder engagement, and data analytics positions him as an invaluable asset to any team aiming for excellence and measurable results in their communications initiatives.

YEARS IN INDUSTRY

20 YEARS

YEARS WITH GSI

1 YEAR

EDUCATION

**B.A., MARKETING;
MINOR IN ADVERTISING**

University of South Carolina (2003)

WHY BRENT?

TWO-SIDED TALENT

Dually skilled in effective client management and digital marketing strategy.

RESOURCE EFFICIENCY

Delivers campaigns that maximize value while meeting project goals.

GROWTH STRATEGIST

Executes plans that drive year-over-year growth and measurable ROI.

INFLUENCER SAVVY

Leverages influencer partnerships and content creation to elevate brand visibility.

DATA-DRIVEN MARKETER

Uses research and analytics to continuously refine and optimize marketing performance.

RELEVANT EXPERIENCE

- Boca Raton Airport Authority, Marketing & Public Relations | Boca Raton, FL
- Broward County Net Zero | Broward County, FL
- Broward County Aviation On-Call Project | Fort Lauderdale, FL
- Broward County Public Schools Bond Program | Broward County, FL
- City of Fort Lauderdale Force Main Rehab and Replacement | Fort Lauderdale, FL
- City of Hollywood New Police Headquarters | Hollywood, FL
- City of Hollywood Beach Heights & Beverly Park Sidewalk Improvement | Hollywood, FL
- Cooper City Social Media, Website, and Graphic Design Services | Cooper City, FL
- Town of Davie Water Resiliency Assessment | Davie, FL
- Naples Airport Authority, Marketing & Public Relations | Naples, FL

SKILLS & EXPERTISE



STAKEHOLDER ENGAGEMENT



COMMUNICATIONS STRATEGY



DIGITAL MARKETING



CAMPAIGN CREATION



DATA ANALYTICS



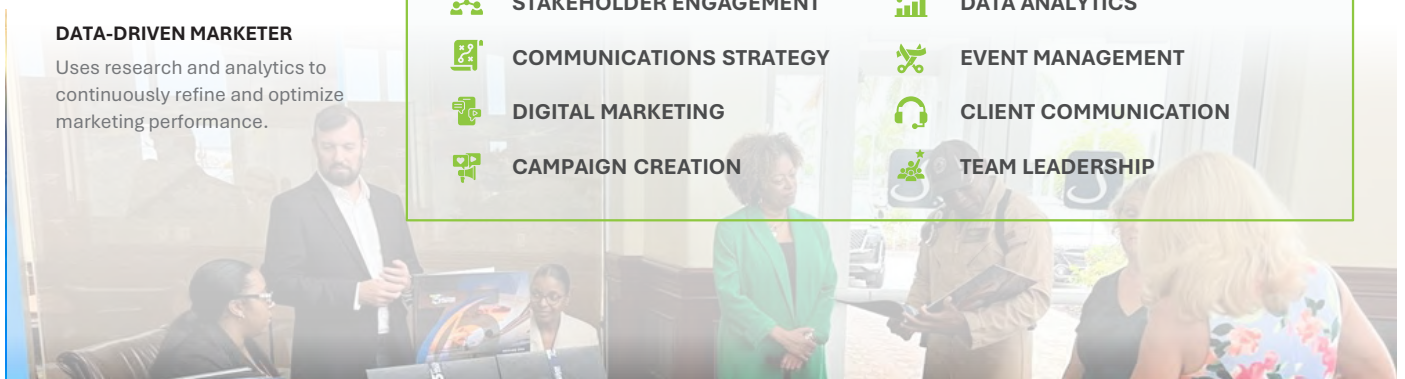
EVENT MANAGEMENT



CLIENT COMMUNICATION



TEAM LEADERSHIP





DENIECE WILLIAMS

DIRECTOR OF PUBLIC AFFAIRS



PROFESSIONAL BIO

Deniece Williams, Director of Public Affairs at Garth Solutions, Inc. (GSI), brings over 20 years of experience in strategic communications, account management, project oversight, and stakeholder engagement. Her expertise spans local, national, and global projects, where she consistently delivers high-impact strategies that enhance client visibility and community engagement. Known for her ability to cultivate strong partnerships and relationships, Deniece is skilled at aligning communication efforts with client objectives, ensuring that each initiative effectively resonates with its target audience.

In her leadership role at GSI, Deniece orchestrates comprehensive outreach initiatives and strategic campaigns, leveraging her insight to connect with diverse communities and stakeholders. Her experience includes managing significant aspects of the \$1.65 billion Broward County Public Schools SMART Bond Program, where she effectively presented updates, gathered community feedback, and promoted awareness throughout the county. With a commitment to tailored communication and strategic outreach, Deniece plays a key role in GSI's mission to build lasting client relationships and meaningful public engagement across multiple sectors.

YEARS IN INDUSTRY

22 YEARS

YEARS WITH GSI

9 YEARS

EDUCATION

B.A., INTERNATIONAL BUSINESS

Florida International University (2006)

A.A., BUSINESS ADMINISTRATION

Miami-Dade College (2004)

WHY DENIECE?

COMMUNITY BUILDER

Cultivates strong partnerships that expand visibility and deepen impact.

MEDIA STRATEGIST

Designs and leads campaigns that resonate with audiences and deliver results.

EVENT COORDINATOR

Executes large-scale public events that boost project exposure and stakeholder engagement.

TRUSTED LEADERSHIP

Leads complex outreach efforts with clarity, consistency, and strategic direction across sectors.

PR EXPERTISE

Brings 22 years of experience in media relations and grassroots communications.

RELEVANT EXPERIENCE

- Broward County Public Schools Bond Program | Fort Lauderdale, FL
- City of Hallandale Beach Community Benefit Program | Hallandale, FL
- City of Hollywood Beach Heights & Beverly Park Sidewalk Improvement | Hollywood, FL
- City of Hollywood Hollywood Boulevard Complete Streets Project | Hollywood, FL
- FLL Part 150 Noise Compatibility Planning Study | Fort Lauderdale, FL
- Las Olas Beach Park Project | Fort Lauderdale, FL
- Miami-Dade Public Schools Employee Benefit Consulting | Miami, FL
- Miami-Dade Public Schools ESSER Attendance Outreach Campaign | Miami, FL
- Sole Mia Local Preference Office | North Miami, FL

SKILLS & EXPERTISE



MEDIA RELATIONS



GRASSROOTS OUTREACH



COMMUNITY ENGAGEMENT



STRATEGIC PARTNERSHIPS



CHARRETTE PLANNING



VENDOR COORDINATION



EVENT PLANNING



SOCIAL MEDIA STRATEGY