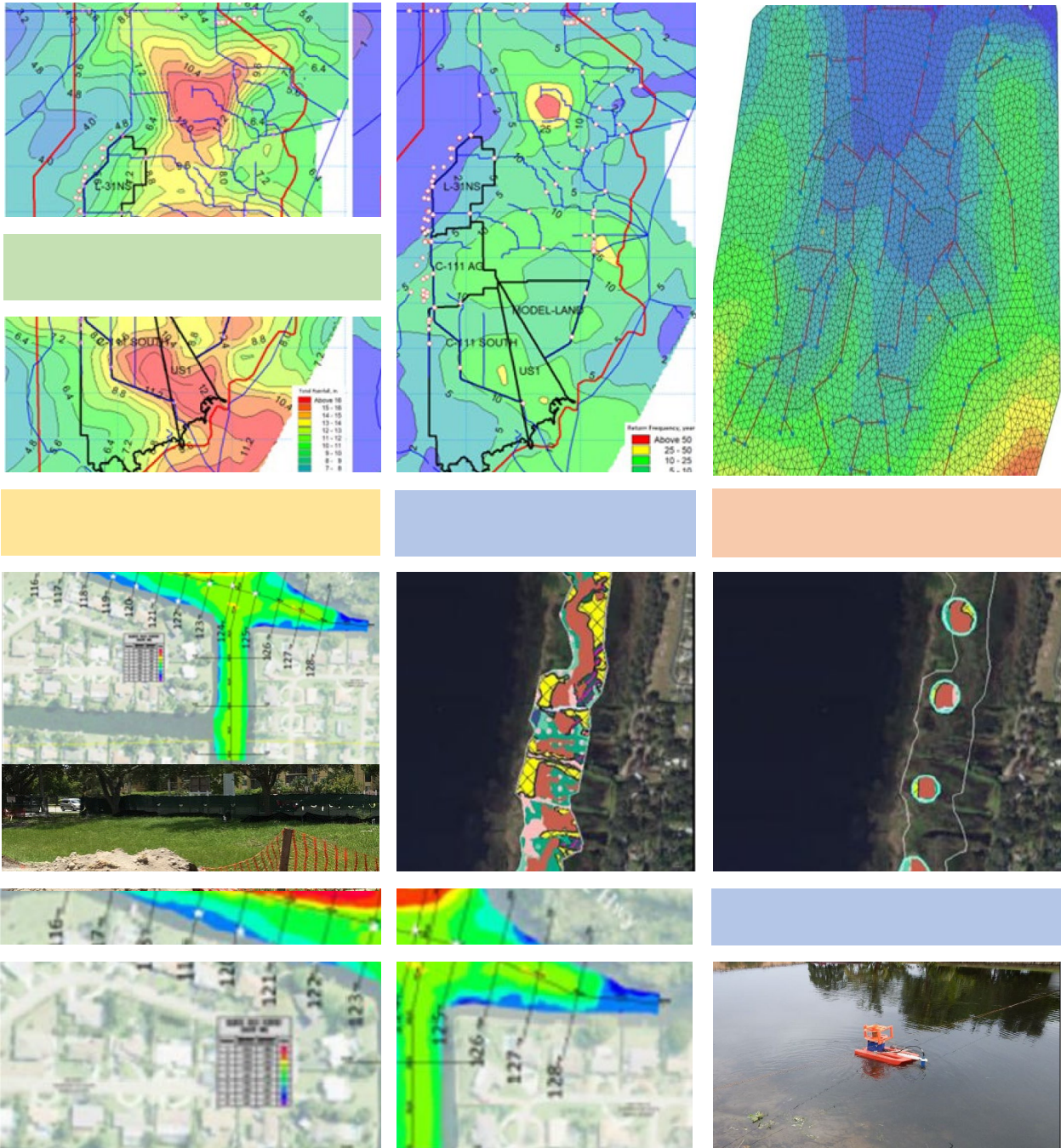


REQUEST FOR QUALIFICATION

CITY OF HOLLYWOOD

ENGINEERING SERVICES FOR STORMWATER PUMP STATION #16 – JACKSON TO JEFFERSON STREET ALONG SR A1A

RFQ NO. 365-26-JJ



FEBRUARY 12, 2026



TAB A

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TAB B

Executive Summary

February 12, 2026

Jean Joinville
Procurement Manager
City of Hollywood
2600 Hollywood Boulevard, Suite 303
Hollywood, FL 33020

RE: RFQ-365-26-JJ
Engineering Services for Stormwater Pump Station #16 –
Jackson Street to Jefferson Street along SR A1A

Dear Ms. Joinville:

SSN Engineering LLC is pleased to submit this Statement of Qualifications in response to the City of Hollywood Community Redevelopment Agency's Request for Qualifications for **Engineering Services for Stormwater Pump Station #16 – Jackson Street to Jefferson Street along SR A1A**.

SSN Engineering LLC is a Florida-registered professional engineering firm with **15 years of firm experience** and **over 21 years of combined professional staff experience** providing stormwater modeling, coastal pump station design, permitting, and construction administration services for public agencies throughout South Florida. Our team brings extensive experience working in **low-lying coastal environments**, including areas affected by tidal influence, sea-level rise, shallow groundwater conditions, and constrained rights-of-way.

Understanding of the Project and City Objectives

(RFQ Evaluation Criterion: Understanding of Scope and Project Requirements)

SSN Engineering LLC demonstrates a clear understanding of the City's needs and objectives as defined in the RFQ. The City's recently completed **Stormwater Master Plan (SWMP)** and **Drainage Master Plan Model** identified the need for a stormwater pump station between **Jackson Street and Jefferson Street (Pump Station #16)** to address recurring flooding along the SR A1A corridor within the CRA district south of Hollywood Boulevard.

Due to **higher tide elevations, daylight flooding is a common occurrence**, creating risks to vehicles, pedestrians, and roadway operations. The City's **Basis of Design Report (BODR)** confirms that existing gravity drainage systems are inadequate during **high-tide and extreme rainfall events**, making this project a critical element of the City's flood

mitigation and resiliency program.

Firm Qualifications and Relevant Experience

(RFQ Evaluation Criterion: Firm Qualifications and Experience)

SSN Engineering LLC has extensive experience delivering the professional services contemplated in this solicitation, including **civil, structural, mechanical, electrical, instrumentation, and stormwater engineering**. The firm routinely designs stormwater pump stations and drainage improvements in **low-lying coastal environments** affected by tidal influence, shallow groundwater, constrained rights-of-way, and dense utilities.

The firm's experience aligns directly with the technical, regulatory, and constructability challenges identified for Pump Station #16.

Project Approach and Methodology

(RFQ Evaluation Criterion: Approach to the Scope of Services)

SSN Engineering LLC understands that this RFQ solicits a professional engineering consultant to provide **design, permitting, and construction administration services**, with design based on the City-provided **Basis of Design Report**. The firm's approach includes:

- Review of City-provided modeling, SWMP findings, and technical data
- Advanced hydrologic and hydraulic analyses incorporating **tidal influence, tailwater, groundwater, and daylight flooding conditions**
- Coordinated **multi-discipline design** addressing site constraints and constructability
- Preparation of permit applications and technical exhibits
- Comprehensive construction administration services

This approach is structured to meet the City's **schedule, budget, and performance objectives**.

Permitting, Capacity, and Resiliency

(RFQ Evaluation Criteria: Regulatory Coordination, Capacity, and Long-Term Performance)

SSN Engineering LLC understands that permits are anticipated from the **U.S. Army Corps of Engineers (ACOE)**, **South Florida Water Management District (SFWMD)**, **Broward County Environmental Protection and Growth**

Management Department (BCEPGMD), and the Florida Department of Transportation (FDOT). The firm's permitting strategy emphasizes early agency coordination, complete documentation, and proactive comment resolution.

SSN Engineering LLC maintains sufficient staffing and a scalable team structure to support this project while managing concurrent assignments. The pump station will be designed to address **sea-level rise, elevated tailwater conditions, and extreme rainfall events**, ensuring long-term system reliability and resilience.

Considering the documented flooding conditions, Drainage Master Plan findings, sea-level rise considerations, and Basis of Design Report criteria, SSN Engineering LLC will design Stormwater Pump Station #16 to effectively resolve the identified flooding issues. The proposed solution will reduce roadway and daylight flooding, enhance public safety, improve system reliability, and support the City of Hollywood's long-term stormwater and resiliency objectives.

SSN Engineering LLC is committed to serving as a **responsive, qualified, and dependable engineering partner** to the City of Hollywood Community Redevelopment Agency.



Rubel Siddique, P.E., Project Manager
SSN ENGINEERING, LLC

TAB C

Firm Qualifications and Experience

FIRM QUALIFICATIONS AND EXPERIENCE

Firm Experience, Team Organization, and Relevant Project Experience

SSN Engineering LLC, as Prime Consultant, together with its subconsultants **GEOSOL, Inc.** (Geotechnical Engineering) and **Longitude Surveyors, LLC** (Surveying and Mapping), respectfully submits the following information and documentation demonstrating the team's ability to satisfy all minimum qualifications and perform the full scope of services contemplated in this solicitation. The proposed team brings specialized experience in stormwater infrastructure, coastal resiliency, pump station design, and multi-agency permitting consistent with the requirements of this RFQ.

Firm Experience and Qualifications

SSN Engineering LLC has over **15+ years of experience** providing professional engineering services to municipal and public-sector clients throughout Florida. Core capabilities include:

- Stormwater modeling and hydraulic analysis
- Drainage and flood mitigation design
- Coastal resiliency and sea-level rise adaptation
- Stormwater pump station design
- Permitting coordination and agency approvals
- Construction phase services and technical support

The firm's management and technical staff bring more than **21 years of combined professional experience** delivering projects within tidally influenced environments, shallow groundwater conditions, and constrained urban rights-of-way requiring coordination with multiple regulatory agencies.

Team Organization and Subconsultants

SSN Engineering LLC will serve as **Prime Consultant** and single point of contact responsible for project management, engineering design, permitting coordination, and overall quality control.

GEOSOL, Inc. – Geotechnical Engineering

Provides subsurface investigations, geotechnical analysis, and foundation recommendations supporting pump station and drainage infrastructure design.

Longitude Surveyors, LLC – Surveying and Mapping

Provides boundary, topographic, and construction surveying services, including control, utility location support, and as-built documentation.

This integrated team structure ensures seamless coordination between engineering, survey, and geotechnical disciplines to support efficient delivery of design and construction phase services.

Business Structure and Legal Status

- **Firm Name:** SSN Engineering LLC
- **Business Structure:** Limited Liability Company (LLC)
- **State of Registration:** Florida
- **Legal Status:** Active and in good standing

SSN Engineering LLC is registered as a legal entity in the State of Florida and authorized to provide professional engineering services.

Firm Contact Information

Company Address:

101 N State Rd 7, Suite 8
Margate, FL 33069

Phone: 954-944-3272

Email: rsiddique@ssnengineering.com

Website: www.ssnengineering.com

Primary Contact:

Rubel Siddique, P.E.

Director of Engineering

Direct Phone: 561-951-3864

Email: rsiddique@ssnengineering.com

Firm Size, Staffing, and Licensure

SSN Engineering LLC is a responsive small business structured to deliver efficient and high-quality engineering services.

- **Management Staff:** Senior licensed Professional Engineers providing QA/QC oversight
- **Technical Staff:** Civil engineers and design professionals specializing in drainage, pump stations, and municipal infrastructure
- **Support Staff:** Administrative and technical personnel supporting project execution

The firm maintains licensed Professional Engineers registered in the State of Florida and all required professional certifications.

SR 907 (Alton Road) Reconstruction – Michigan Avenue to 43rd Street, FDOT District 6, Florida

Services: Stormwater Pump Stations | FDOT Drainage Design | Coastal Flood Mitigation | Seawall Coordination

SSN Engineering staff provided drainage design and permitting services for this major roadway and resiliency project. Improvements included design of **two high-capacity stormwater pump stations (23,000 GPM and 33,000 GPM)**, a **66-inch trunk drainage system**, roadway drainage enhancements, and seawall reconstruction.

Responsibilities included hydraulic modeling, preparation of construction plans and technical documentation, and coordination with FDOT District 6 and permitting agencies to advance approvals.

C-139 FEB & Pump Station Design – South Florida Water Management District (SFWMD), Hendry County, Florida

Services: Regional Pump Station Design | Hydraulic Modeling | Large-Scale Water Management | Final RTA Package

SSN Engineering staff supported development of final design deliverables including **100% Plans, Specifications, and Design Documentation** for a regional water management system consisting of a **2,800-acre (11,000 ac-ft) impoundment**, a **690 CFS primary pump station**, a **100 CFS seepage pump station**, and two outfall structures.

The pump stations incorporated axial flow pumps, vacuum priming systems, seal water pumps, and automated trash rake intake systems designed to enhance reliability during high-flow events.

Prime Consultant Commitment

SSN Engineering LLC is committed to providing responsive project management, technically sound engineering solutions, and proactive coordination with regulatory agencies and stakeholders. As Prime Consultant, SSN Engineering will leverage the experience of its multidisciplinary team to deliver innovative, resilient, and constructible solutions that meet project goals, maintain schedule and budget, and support long-term operational performance for municipal stormwater infrastructure.

Subconsultant Qualifications – GEOSOL, Inc.

GEOSOL, Inc. (GEOSOL) will serve as **Geotechnical Engineering Subconsultant** to SSN Engineering LLC for this project. GEOSOL is a Florida-based professional engineering firm established in **2000**, specializing in **geotechnical engineering, subsurface exploration, and materials testing** for public-sector infrastructure projects.

GEOSOL's engineering staff brings over **40 years of combined geotechnical engineering experience** and has provided services for **coastal, roadway, bridge, utility, and pump station-related projects** throughout South Florida. The firm has extensive experience in **coastal and marine environments**, including areas affected by **high groundwater, tidal conditions, and variable subsurface soils**, which are directly applicable to the SR A1A corridor and Hollywood Beach CRA area.

GEOSOL's services include:

- Subsurface exploration and soil borings
- Laboratory soils and materials testing
- Foundation studies and design recommendations
- Embankment and slope stability analysis
- Earth retention systems analysis and design
- Pile driving analysis (PDA) and pile integrity testing (PIT)
- Ground improvement feasibility studies
- Geotechnical instrumentation and monitoring

GEOSOL has served as a geotechnical consultant or subconsultant on more than **200 FDOT and public-sector projects**, including work for **FDOT Districts 4 and 6**, Miami-Dade County, MDX, Florida's Turnpike Enterprise, and multiple municipalities. These projects include bridges, force mains, roadway improvements, and infrastructure located in **coastal and marine environments**, demonstrating direct relevance to this assignment.

GEOSOL holds the following certifications:

- FDOT Technical Certification in Work Groups **9.1, 9.2, 9.4.1, and 9.4.2**
- Miami-Dade County Technical Certifications for geotechnical and materials engineering services
- **State of Florida Minority Business Enterprise (MBE)**
- **Miami-Dade County Small Business Enterprise (SBE)**

GEOSOL will work closely with SSN Engineering LLC to provide timely geotechnical data, design recommendations, and construction support, ensuring geotechnical considerations are fully integrated into the design and delivery of **Stormwater Pump Station #16**.

Subconsultant Qualifications – Longitude Surveyors, LLC

Longitude Surveyors, LLC (Longitude) will serve as **Surveying and Mapping Subconsultant** to SSN Engineering LLC for the Stormwater Pump Station #16 project. Longitude is a South Florida-based professional surveying and geospatial firm established in **2004**, specializing in **surveying and mapping, subsurface utility engineering (SUE), construction surveying, and advanced geospatial services** for public-sector infrastructure projects.

Longitude is headquartered in **Miami** with a **branch office in Broward County**, providing strong local presence and familiarity with Broward County, FDOT District 4, and coastal project environments.

Relevant Experience and Capabilities

Longitude Surveyors brings nearly **20 years of experience** supporting **transportation, roadway, drainage, bridge, and utility infrastructure projects** throughout Florida. The firm has an extensive track record working directly with the **Florida Department of Transportation (FDOT)** across multiple districts and understands FDOT standards, procedures, and deliverable requirements—experience directly applicable to the **SR A1A corridor**.

Longitude's professional capabilities include:

- Control, boundary, and topographic surveying
- Design, right-of-way, and construction surveying
- Subsurface Utility Engineering (SUE), utility mark-outs, and soft digs
- Construction layout and CEI survey support
- Bathymetric surveys for canals, coastal, and waterway environments
- Mean High Water Line (MHWL) surveys
- 3D scanning, LiDAR, drone photogrammetry, and DTM generation
- As-built surveys and elevation certificate surveys
- GIS mapping and environmental survey support

These services directly support the surveying, utility coordination, and construction needs of Stormwater Pump Station #16.

FDOT and Public-Sector Experience

Longitude Surveyors holds FDOT prequalification in the following professional services work types:

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

Representative FDOT and public-sector experience includes roadway, bridge, resurfacing, and districtwide contracts across FDOT Districts 1, 4, 5, and 6, including numerous projects in Broward and Miami-Dade Counties. This experience demonstrates Longitude's ability to manage complex surveying deliverables in active roadway corridors and coastal environments similar to

the SR A1A project area.

Certifications and Business Status

Longitude Surveyors is certified with multiple agencies, including:

- Small Business Enterprise (SBE)
- Disadvantaged Business Enterprise (DBE)
- Minority Business Enterprise (MBE)
- Community Business Enterprise (CBE)
- Airport Concessions Disadvantaged Business Enterprise (AC-DBE)

Certifications are held with FDOT, Miami-Dade County, Broward County, and other agencies, supporting the City's small and minority business participation goals.

Integration with SSN Engineering LLC

Longitude Surveyors will work closely with SSN Engineering LLC and GEOSOL, Inc. to provide accurate surveying, utility location, and geospatial data in support of design development, permitting, and construction. Early integration of surveying and SUE services will support efficient design coordination, constructability, and risk reduction, particularly within the constrained SR A1A corridor.

Statement of Compliance

SSN Engineering LLC, together with its subconsultants **GEOSOL, Inc.** (Geotechnical Engineering) and **Longitude Surveyors, LLC** (Surveying and Mapping), has provided complete information and documentation demonstrating the team's ability to satisfy **all minimum qualifications** and perform the **full scope of services** required by this solicitation.

SSN Engineering LLC is a Florida-registered professional engineering firm with the experience, staffing, licensure, and technical capability to provide **design, permitting, and construction administration services** for Stormwater Pump Station #16. GEOSOL, Inc. and Longitude Surveyors, LLC each possess the specialized expertise, certifications, and public-sector experience necessary to support the geotechnical and surveying components of the project.

Collectively, the SSN Engineering team is fully qualified, properly licensed, and experienced to deliver a **coordinated, compliant, and high-quality professional services effort** that meets the City of Hollywood's technical, regulatory, schedule, and performance requirements for this project.

State of Florida

Department of State

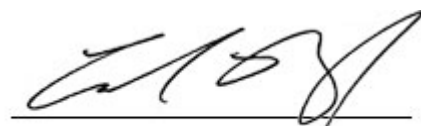
I certify from the records of this office that SSN ENGINEERING, LLC is a limited liability company organized under the laws of the State of Florida, filed on August 1, 2011, effective July 31, 2011.

The document number of this limited liability company is L11000087864.

I further certify that said limited liability company has paid all fees due this office through December 31, 2026, that its most recent annual report was filed on January 31, 2026, and that its status is active.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Thirty-first day of January,
2026*




Secretary of State

Tracking Number: 2393833402CC

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

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

State of Florida

Florida Board of Professional Engineers

Attests that

SSN Engineering LLC

Has satisfied the requirements of Section 471,023, Florida Statutes. In recognition thereof, the Board of Professional Engineers hereby authorizes this firm to offer engineering services in the State of Florida in accordance with Chapter 471, Florida Statutes, and the rules of the Board.

Witness the Seal of the Board and the Signature
of the Board's duly authorized Chair
this 6 day of OCT, 2011



Certificate of
Authorization No. **29695**

John C. Burde

Chair



Ron DeSantis, Governor

Melanie S. Griffin, Secretary



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SIDDIQUE, RUBEL

5518 MAINSHIP DR.
GREENACRES FL 33463

LICENSE NUMBER: PE67239

EXPIRATION DATE: FEBRUARY 28, 2027

Always verify licenses online at MyFloridaLicense.com



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Ron DeSantis, Governor

Melanie S. Griffin, Secretary



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

RAHMAN, MD SHAHINUR

11186 SW 17T MNR
DAVIE FL 33324

LICENSE NUMBER: PE80669

EXPIRATION DATE: FEBRUARY 28, 2027

Always verify licenses online at MyFloridaLicense.com



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BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

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

VALID OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026

Business Name: RUBEL SIDDIQUE

Receipt #: 315-270844
Business Type: ENGINEER (ENGINEERING)

Owner Name: SSN ENGINEERING LLC
Business Location: 101 N STATE ROAD 7 STE 8
 MARGATE
Business Phone: 9549443272

Business Opened: 07/25/2015
State/County/Cert/Reg:
Exemption Code:

Rooms Seats Employees Machines Professionals

2

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

Receipt Fee 30.00
 Packing/Processing/Canning Employees 0.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT

WHEN VALIDATED

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

Mailing Address:

RUBEL SIDDIQUE
 5518 MAINSHIP DR
 GREENACRES, FL 33463-5977

Receipt # WWW-24-00281785
Paid 07/14/2025 30.00

2025 - 2026

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

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Exemption Code:

Rooms Seats Employees Machines Professionals

2

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00



City of Margate, Florida
Local Business Tax Receipt
 901 NW 66th Avenue
 Margate, FL 33063
 (954) 979-6213



Business Name: SSN Engineering, LLC

Receipt Number: LBTR-1116

Fictitious Name (DBA):

Location Address: 101 N STATE ROAD 7

Issue Date / Class: September 24, 2025

Expiration Date: September 30, 2026

Effective Date: October 01, 2025

PROFESSIONAL CONSULTING ENGINEER

Receipt Fees:

Comments

For Home Local Business Tax Receipt: No Commercial Vehicles Permitted at Residence. No Inventory, Stock of Trade, Sales or Display, Permitted.

Commercial and all others: No Outside Sales, Service, Display, Stock or Storage without prior City Commission Approval.

Additional Comments:

SSN Engineering, LLC
 101 N STATE ROAD 7 8
 MARGATE FL 33063

**NOTICE: RECEIPT MUST BE TRANSFERRED
 WHEN BUSINESS IS MOVED OR SOLD.**

Post This Receipt in a Conspicuous Place

Maximum Capacity:

This award certifies that

Rubel Siddique

has earned 14 PDH Credits for successful completion of the two day training course on

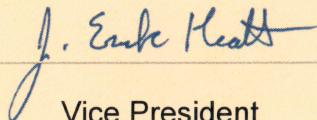
July 15 - 16, 2019 in Broomfield, Colorado

xpswmm/xpstorm®

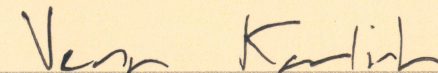
Stormwater & Flood Modeling Training Course

**PDH credits have been granted based on one professional development hour in length,
which is defined as a contact hour (nominal) of instruction or presentation.**

Instructional delivery method: Technical Training Sessions



Vice President



Instructor



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400

September 16, 2025

ANNIVERSARY DATE: September 16th.

Mr. Rubel Siddique
SSN ENGINEERING, LLC
3500 North S.R. 7 Suite 213-4
Lauderdale Lakes, FL, 33319

Dear Mr. Siddique:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to announce that your firm's **County Business Enterprise (CBE)** certification has been renewed. Your firm, however, is no longer eligible for the **Small Business Enterprise (SBE)** designation because **your firm's annual revenues exceed the \$500,000** threshold for the **Architecture & Engineering** category.

Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. **However, the responsibility to ensure continued certification is yours.** Failure to document your firm's continued eligibility for the CBE and SBE programs within **thirty (30) days** from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To access and respond to Broward County's solicitations, you will need to be a registered vendor with Broward County. The current web-based procurement platform is **BPRO, powered by Bonfire**. All vendors must complete the vendor registration process in Broward County's **BPRO** system. It is free to do so. Information on how to register your company can be found on the Purchasing Division's webpage: www.broward.org/Purchasing. Alternatively, you may use your camera to scan the QR code in this letter.



To review current Broward County Government bid opportunities visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in **BPRO** to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture & Engineering**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: www.broward.org/EconDev and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

NAICS CODES: 221310, 221320, 541330, 541340

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

Cheryl E. Roberts, Small Business Development Supervisor
Office of Economic and Small Business Development

Cert Agency: BC-CBE



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road, M.S. 3565
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor


Jeanette Nunez
Lt. Governor

Noah Valenstein
Secretary

Congratulations on successfully completing the Florida Stormwater Erosion and Sedimentation Control Inspector Training Program. We greatly appreciate your participation in and successful completion of this course. We hope that it has helped you to better understand Florida's stormwater problems and the importance of proper design, construction, and maintenance of erosion and sediment controls during construction, in order to assure the proper long-term operation and maintenance of stormwater systems after construction is completed.

Attached you will find your numbered certificate and wallet card. Please let us know if there are any errors in the certificate or card, or in the grading of your exam. You can contact us at admin@fsesci.com, or at the Training Program's website: www.FSESCI.com.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM

CLASS DATE  INSPECTOR #

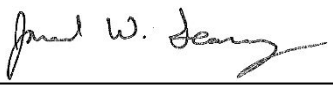
QUALIFIED STORMWATER MANAGEMENT INSPECTOR
CURRENTLY DOES NOT EXPIRE

QUALIFIED STORMWATER MANAGEMENT INSPECTOR

The undersigned hereby acknowledges that

has successfully met all requirements necessary to be fully qualified through the Florida Department of Environmental Protection Stormwater Erosion and Sedimentation Control Inspector Training Program

Inspector Number



Jared Searcy
Statewide Training Coordinator



Kevin Coyne
WQRP Program Administrator

CERTIFICATE of ACHIEVEMENT

THIS ACKNOWLEDGES THAT

Rubel Siddique

HAS SUCCESSFULLY COMPLETED THE

OSHA 30-Hrs Construction Industry

04/05/25

Mario D'Trinidad Osha Authorized Construction Trainer





This certificate is presented to
Rubel Siddique

in recognition of successful completion of
CEU: 1.6

Design of Concrete Pavements - NEW (60212015)

03/17/2015

and for demonstrating a commitment to engineering excellence through lifelong learning.

A handwritten signature in black ink, appearing to read "John A. Casazza", is positioned above a horizontal line.

John A. Casazza
Managing Director, Continuing Education

Florida Provider Number:
0003826
Florida Course Number:
0000449

Please retain this certificate for your continuing education records.
1801 Alexander Bell Drive, Reston, VA 20191-4400 Phone: (800) 548-2723



TAB D

Organizational Profile and Project Team Qualifications

ORGANIZATIONAL PROFILE AND PROJECT TEAM QUALIFICATIONS

SN Engineering, LLC (Prime Consultant) will serve as the lead firm and single point of contact, providing comprehensive in-house capabilities in civil engineering, site development, stormwater management, roadway design, water and sewer systems, permitting, and construction engineering and inspection (CEI). SSN Engineering has extensive experience managing multidisciplinary projects for municipalities across South Florida, ensuring efficient coordination, cost control, and adherence to schedules.

Subconsultants:

- **Longitude** – is a licensed professional surveying and mapping firm providing comprehensive land surveying services throughout South Florida.
- **Geosol, Inc.** – Offers geotechnical engineering, materials testing, and subsurface investigations to support design and construction.

Responsibilities:

- **SSN Engineering** – Project management, coordination, civil/site, roadway, drainage, water, sewer, and CEI services.
- **Longitude** – Surveying and Mapping Services.
- **Geosol** – Geotechnical engineering, soils analysis, and foundation recommendations.

This structure provides **single-source responsibility** and seamless integration across all disciplines. SSN Engineering's key staff, led by **Rubel Siddique, P.E.**, and supported by **Dr. Georgio Tachiev, Ph.D., P.E.**, bring extensive experience and technical expertise well beyond the required qualifications. Their combined leadership ensures responsive communication, technical excellence, and high-quality project delivery that aligns with the Town's objectives.

SSN Engineering has extensive experience successfully managing multidisciplinary teams and integrating subconsultant services on public infrastructure projects throughout South Florida. Our established coordination approach, centralized communication, and proven QA/QC processes ensure seamless collaboration between engineering, operations, and construction support teams—delivering unified, efficient, and high-quality results.

6.1 KEY PERSONNEL

Mr. Rubel Siddique, P.E., will serve as **Project Manager** and **Lead Engineer** for this assignment. He has over **21 years of progressive experience in civil engineering design and project management**, specializing in **water, sewer, drainage, site development, and roadway infrastructure**. Mr. Siddique has successfully managed and delivered numerous municipal and private-sector projects across South Florida, from concept through construction.

His expertise includes **utility network design, stormwater management, grading and drainage systems, roadway geometry and pavement design, and construction engineering and inspection (CEI)**. He is highly proficient in preparing **plans, specifications, and cost estimates (PS&E)**, and securing permits in compliance with **FDOT, FDEP**, and local government standards.

As Project Manager, Mr. Siddique leads multidisciplinary teams, coordinates with agencies and stakeholders, and ensures that all projects are delivered on time, within budget, and to the highest quality standards. His technical expertise and proactive leadership ensure **efficient, cost-effective, and sustainable infrastructure solutions**.

Key Responsibilities:

- Lead and manage multidisciplinary teams for civil infrastructure and site development projects.
- Oversee planning, design, and permitting of **water, sewer, and drainage systems**.
- Develop **construction plans, specifications, and cost estimates (PS&E)** per **FDOT/FDEP** and local standards.

- Direct **roadway design**, including **pavement geometry, grading, curb ramps, and ADA compliance**.
- Coordinate **utility design and relocation** for seamless integration with roadway and drainage systems.
- Manage **stormwater modeling**, retention/detention design, and **regulatory compliance**.
- Conduct **site grading and layout** for municipal, residential, and commercial developments.
- Oversee **project management** functions—scheduling, budgeting, QA/QC, and client coordination.
- Liaise with **agencies, contractors, and municipalities** to facilitate timely approvals.
- Support **CEI activities**, including field review, pay applications, and change order evaluations.

Dr. Georgio Tachiev, Ph.D., P.E., will serve as **Water Resources Lead** for this contract. With over **30 years of professional experience**, Dr. Tachiev is an expert in **water resources, stormwater management, hydrologic and hydraulic modeling, and environmental restoration**. He has managed numerous multidisciplinary projects throughout South Florida involving **flood control, pump station design, watershed modeling, and wetland restoration**.

His deep technical expertise in **surface and groundwater systems**, combined with his leadership in data-driven modeling and environmental assessments, ensures the delivery of innovative and resilient stormwater infrastructure.

Key Responsibilities:

- Lead **hydrologic and hydraulic modeling** for stormwater, drainage, and flood control systems.
- Oversee **stormwater system design**, including pump stations and control structures.
- Ensure compliance with **FDEP, SFWMD, and local agency** permitting requirements.
- Provide **technical guidance** for water, sewer, and environmental restoration projects.
- Review and validate **engineering models, analyses, and technical deliverables**.
- Support **quality control, peer review**, and technical oversight during all project phases.
- Contribute to **sustainable and resilient infrastructure** strategies tailored to the Town's needs.

Mr. Md Shahinur Rahman, P.E., will serve as Project Engineer for roadway and drainage design. He has brought over **21 years of professional experience** in **civil, drainage, and roadway design** for public and private infrastructure projects across South Florida. Mr. Rahman has extensive experience preparing and reviewing **construction documents, technical specifications, and cost estimates**, ensuring compliance with **FDOT, AASHTO, Miami-Dade County Standards, Greenbook Criteria, and MUTCD** requirements.

His proven ability to integrate **drainage, utility, and roadway design** ensures constructible, cost-effective, and code-compliant solutions.

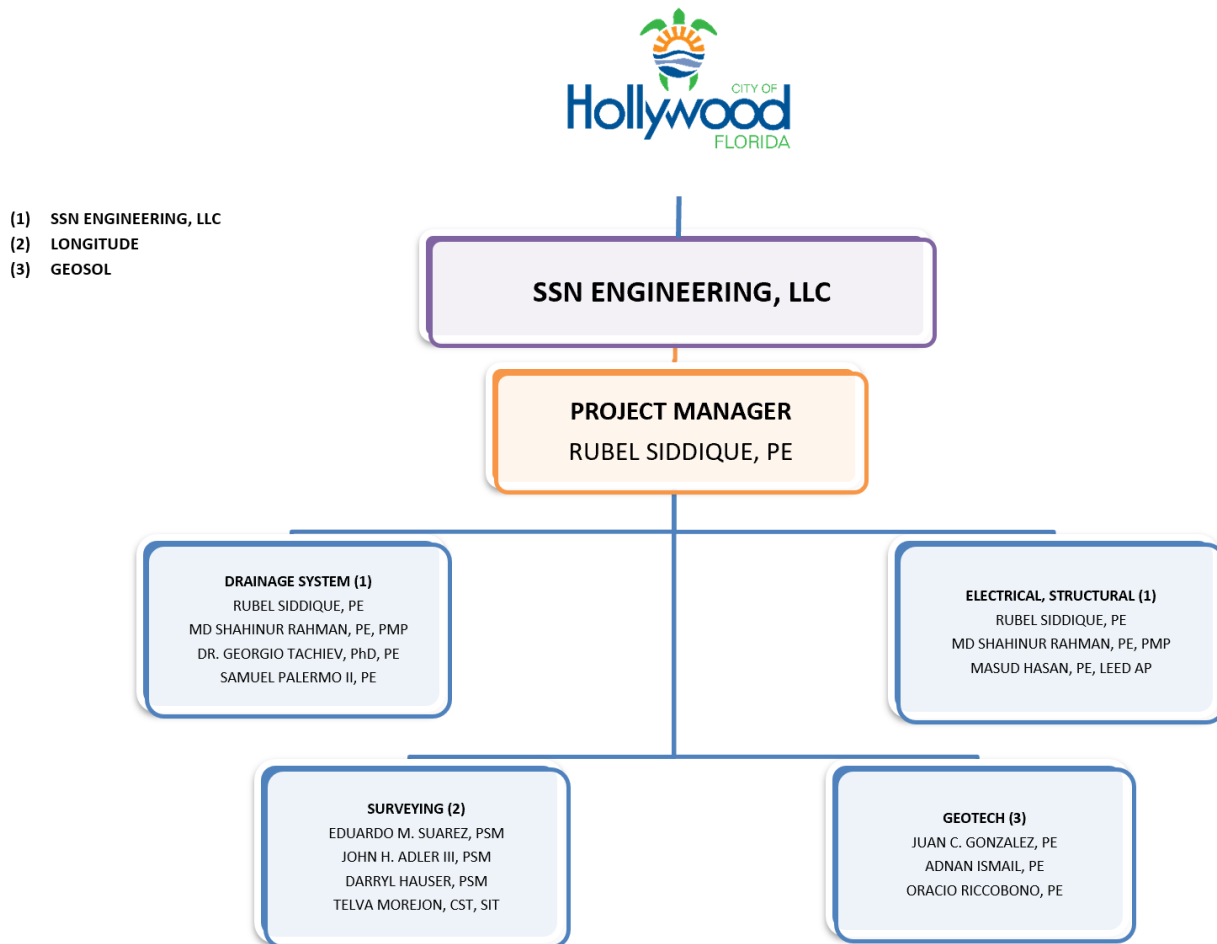
Key Responsibilities:

- Lead design of roadways, sidewalk, and ADA-compliant curb ramp infrastructure.
- Integrate drainage and utility design to ensure system coordination and constructability.
- Prepare plans, specifications, and cost estimates (PS&E) in compliance with governing standards.
- Perform grading and drainage analysis to improve system performance and sustainability.
- Conduct constructability reviews and address design comments during review and submittal stages.
- Coordinate with FDOT, local municipalities, and stakeholders for permitting and project approvals.
- Provide technical support during construction, including response to RFIs and plan clarifications.

6.2 PROJECT TEAM

SSN Engineering, together with its subconsultants **Longitude** and **GeoSol**, maintains a highly qualified team of professionals to deliver all aspects of this project. Our staff includes engineers, planners, and technical specialists with extensive experience in **civil/site development, water, sewer, drainage, roadway design, stormwater management, and construction engineering and inspection (CEI)**. Subconsultants provide specialized expertise in **geotechnical engineering, and surveying**, ensuring a fully integrated approach. This combined team structure ensures **single-source responsibility**, seamless coordination, and the capacity to meet the Town's technical, schedule, and quality requirements.

ORGANIZATIONAL CHART



EDUCATION

- Master of Engineering in Civil Engineering, University of Texas at Arlington, TX, 2004
- Master of Science in Computer Science, Texas A&M University, TX, 2002
- Bachelor of Science in Civil Engineering, Bangladesh University of Engineering and Technology (BUET), 1998

PROFESSIONAL CERTIFICATIONS

- Florida PE
License No. 67239
- Texas PE
License No. 98510
- FDOT Advanced MOT
Certificate No. 34221
- Qualified Stormwater Management Inspector
Inspector No. 29215

PROFESSIONAL TRAINING

- FDOT Specification
- Construction of Portland Cement and Pervious Pavement & Concrete Parking Lot
- Project Management Institute (PMI)
- ICPR Software Training
- Professional Liability Training
- Advance MOT Certification

KEY EXPERIENCE

- Site Development
- Water Distribution System
- Sewer Collection System
- Stormwater Management System Design
- Roadway Design
- Minor Structural Design

SUMMARY OF EXPERIENCE

Mr. Siddique brings over twenty-one (21) years of progressive civil engineering experience spanning roadway and drainage design, water supply and distribution systems, wastewater collection, stormwater management, construction inspection, and overall project management. His expertise covers the full project lifecycle — from initial planning and design development through construction oversight and delivery — serving a diverse range of clients including private developers, municipalities, counties, drainage districts, and the Florida Department of Transportation (FDOT).

As a Principal Engineer, Mr. Siddique provides strategic leadership and technical direction for complex infrastructure projects, developing innovative, project-specific engineering solutions while guiding multidisciplinary design teams toward successful outcomes. He maintains strong collaboration with cities, counties, state regulatory agencies, environmental groups, and other stakeholders to proactively address challenges and integrate technical feedback into effective project implementation. His responsibilities include managing project schedules, maintaining continuous coordination with functional teams, monitoring project performance, and establishing quality standards to ensure reliable and high-quality deliverables.

Mr. Siddique has extensive experience in construction-phase services, including technical supervision, preparation of correspondence, daily inspection reporting, punch list development, and monitoring compliance with engineering and construction standards. He is recognized for fostering strong municipal client relationships, leading teams with enthusiasm, and implementing robust quality control processes that support efficient project delivery and long-term infrastructure performance.

SAMPLE PROJECTS

N. RIVERSIDE DRIVE STORMWATER PUMP STATION DESIGN – CITY OF POMPANO BEACH, FL: Mr. Siddique served as Project Manager for the **design and delivery of two (2) coastal stormwater pump stations**, each rated at approximately 10,000 GPM, as part of the N. Riverside Drive Streetscape Improvements Project. The project focused on improving flood resiliency within a tidally influenced corridor by implementing a reliable **pump station system** to address drainage capacity limitations during high tides and intense rainfall events. He provided leadership and technical oversight for pump station planning, hydrologic and hydraulic analysis, system configuration and layout, and coordination of structural and electrical components. His responsibilities also included permitting support, preparation of construction plans and technical specifications, and coordination with the City of Pompano Beach, local drainage districts, USACE, SFWMD, and other regulatory agencies to ensure successful pump station implementation.

WATER'S EDGE PARK IMPROVEMENTS – CITY OF TAMARAC, FL: Mr. Siddique provided civil engineering design services for the Water's Edge Park Improvement project with a strong emphasis on **stormwater drainage design and site grading** to enhance flood resilience and long-term performance of the park facilities. The scope included development of the stormwater management system, parking lot grading and drainage, roadway milling and resurfacing, signing and pavement markings, water distribution and wastewater collection systems, and an offsite ADA-accessible sidewalk connection. He prepared construction plans, drainage calculations, technical reports, and permitting documents, and supported construction-phase services including shop drawing reviews, periodic site visits, RFI responses, and resolution of field issues.

KIRK COTTRELL PAVILION DEVELOPMENT – DEERFIELD BEACH, FL: Mr. Siddique provided civil engineering design services for the Kirk Cottrell Pavilion redevelopment, supporting upgrades for beach sporting and leisure facilities including expanded restrooms, customer service areas, ocean rescue storage, new showers, surfboard wash and storage areas, and pavilion amenities. His work emphasized **stormwater drainage design and coastal site resiliency**, along with parking lot design, parking meters, water distribution, and wastewater collection systems. The project focused on improving functionality, enhancing public access, and ensuring compliance with City standards for a high-traffic beachfront environment.

CAIRO LANE & NW 127TH STREET NEW CONSTRUCTION – MIAMI-DADE COUNTY, FL: Mr. Siddique served as Project Engineer for approximately one (1) mile of roadway construction and reconstruction along Cairo Lane and NW 127th Street, with a strong emphasis on **stormwater drainage design and infrastructure coordination**. The project included installation of a comprehensive drainage system, water distribution, and sewer collection improvements, along with intersection upgrades, shoulder widening, and sidewalk enhancements. He evaluated existing site and subsurface conditions and recommended concrete pavement to address poor soil performance and long-term durability. Mr. Siddique prepared contract documents including roadway plans, drainage design and calculations, maintenance of traffic plans, signing and pavement markings, permits, quantities and estimates, and coordinated utility design while supervising drafting staff and overseeing final plan submissions to ensure compliance with County standards.

NW 14TH STREET STREETScape PROJECT – CITY OF MIAMI, FL: Mr. Siddique served as Lead Design Engineer and Engineer of Record for streetscape improvements along NW 14th Street, focusing on roadway enhancements and drainage improvements to support long-term corridor performance. His responsibilities included preparation of the Typical Section Package, pavement design package, 3R report, and design variations in accordance with FDOT standards. The project involved pavement reconstruction and resurfacing, curb and gutter and sidewalk replacements, ADA ramp upgrades and new ramp construction, swale rehabilitation through regrading and sodding, utility coordination, permitting, and preparation of signing and pavement marking plans to improve safety, accessibility, and stormwater management along the corridor.

BURLINGTON STREET ROADWAY & DRAINAGE IMPROVEMENTS – FLORIDA: Mr. Siddique served as Lead Design Engineer and Engineer of Record for the Burlington Street Roadway and Drainage Improvement Project, with strong emphasis on **stormwater drainage rehabilitation and roadway safety enhancements**. He prepared comprehensive contract documents including roadway plans, typical sections, signing and pavement marking plans, construction details, maintenance of traffic plans, permits, drainage design and calculations, utility coordination, quantities and cost estimates, and final plan reviews while supervising drafting personnel. The project included shoulder and sidewalk enhancements and installation or replacement of signage in accordance with the 3R safety report. Drainage improvements involved desilting of the existing system, repair and replacement of pipes, modification and addition of inlets and manholes, and selective reconstruction to enhance stormwater performance and overall corridor resilience.

RUTLAND STREET ROADWAY & DRAINAGE IMPROVEMENTS – FLORIDA: Mr. Siddique served as Lead Design Engineer and Engineer of Record, providing engineering design and permitting services for RRR improvements along a two-lane undivided roadway. The project emphasized **stormwater drainage enhancements**, including the design of roadside drainage swales along both shoulders to improve runoff conveyance and roadway resilience. Additional scope included milling and resurfacing, safety upgrades, and preparation of signing and pavement marking plans to enhance operational safety and compliance with applicable standards.

SR-90/SW 8TH STREET AT SW 150TH AVENUE DRAINAGE ASSESSMENT – MIAMI-DADE COUNTY, FL: Mr. Siddique served as Project Engineer performing a feasibility study focused on **stormwater drainage evaluation** at the SR-90/SW 8th Street and SW 150th Avenue corridor. His work included detailed field inspections to document existing site conditions and identify drainage deficiencies. He prepared a comprehensive drainage assessment report presenting technical findings, recommended improvements, and cost estimates for three alternative solutions to support decision-making and future implementation.

MDX AIRPORT EXPRESSWAY / SR 112 RRR – NW 21 STREET TO NW 27 AVENUE, MIAMI, FL: Mr. Siddique served as Design Engineer for a 2.5-mile Freeway Restoration, Rehabilitation, and Resurfacing (RRR) project along the Airport Expressway (SR 112). The project included milling and resurfacing of an existing two-way, three-lane divided urban freeway and modification of non-compliant roadway elements, including acceleration and deceleration lanes. He prepared the Typical Section Package, design exception and variation documentation, and a comprehensive RRR report covering roadway, drainage, signing, and pavement marking components. His responsibilities also included preparation of detailed log sheets identifying deficiencies to support project prioritization and compliance with MDX and FDOT standards.

Summary:

Experienced Civil Engineer with over 30 years of professional experience managing multidisciplinary projects in water resources, stormwater management, and environmental restoration throughout South Florida. Dr. Tachiev has extensive expertise in the development and application of integrated surface and subsurface hydrologic and hydrodynamic models, groundwater modeling, water quality modeling, and GIS-based systems for water distribution and collection infrastructure. His technical background includes planning, hydraulic and hydrologic design, and permitting stormwater management systems, including stormwater conveyance networks (canals, pipelines, and sanitary and storm sewers), pump stations, and water control structures. He has led the design of complex systems involving flood control, urban drainage, wetland restoration, and watershed-scale hydrologic assessments. Dr. Tachiev has developed complex numerical models to support environmental assessments, water resource management strategies, remediation planning, and risk evaluation. He is proficient in automating the processing, analysis, and visualization of large-scale hydrologic and water quality datasets, and has overseen all phases of project delivery, including technical review, quality control, and reporting. His modeling and design expertise also includes advanced computational fluid dynamics modeling and visualization of hydraulic structures and flow systems, including tunnels, conduits, open channels, pump stations, and gated or uncontrolled control structures. Using 3D simulations, he evaluates flow distribution, energy dissipation, and structural hydraulics under both free-surface and pressurized flow conditions. In addition to his professional practice, Dr. Tachiev has authored over 40 peer-reviewed publications in the fields of water resources engineering, hydrology, environmental physics, and computational modeling.

Education:

PhD, Water Resources and Environmental Engineering, Vanderbilt University, TN.

MS, Chemical Engineering, Vanderbilt University, TN.

BS, UA Civil Engineering, Sofia, Bulgaria

Licenses & Certifications:

Professional Engineer (PE), Florida

Key Projects:

- Flood Protection Level of Service of C-111 Watersheds in South Miami-Dade County (SFWMD): Developed a 750 square-mile model, including reservoirs, and water supply wells, and canals for an integrated surface and groundwater model to analyze the FPLOS of 6 watersheds in South Miami-Dade County (L-31NS, C-111 AG, Model Land, US1, C-111 Coastal, and C-111 South). The project included development of calibrated and validated models for two recent storms and a series of design storm events along with multiple SLR scenarios and combinations with storm surge. The model considered future land use changes, topography and infrastructure changes. The FPLOS was evaluated using a set of 6 performance metrics. The project also included flood mitigation strategies for future SLR and Storm Surge conditions.
- Sr 907 (Alton Road) Reconstruction, Michigan Avenue to 43rd Street, FDOT District 6 - provided drainage design and permitting services for this project. Project improvements includes roadway reconstruction, the design of two (2) major pump station facilities, one of 23,000 GPM and the other one of 33,000 GPM each, a 66" trunk-line, roadway drainage improvements and seawall reconstruction.
- Analysis and Optimization of Underground Pit Dewatering PFS Shaft and Pump Configuration (Denver, CO): Developed a 3D CFD model to determine feasibility and optimize the proposed design. The project determined the required pump spacing and shaft dimensions and determined the most optimized pump arrangement. The simulations were used to verify that the optimized design provides acceptable flow without appreciable interferences between pumps assembly components and determine head losses in pump screens and other components.

- Analysis of Dewatering of PFS Shaft and Pump Configuration (Denver, CO): Developed a 3D CFD model to provide an analysis of flow to establish the most optimal design in terms of uniform velocities around the intake and along the shaft, size and impact on construction and maintenance costs of proposed new shaft connecting to existing underground mine workings. Analyzed design alternatives which included predefined sets of shaft diameter, length, and materials.
- CFD Analysis for the S-355W Spillway (Miami, FL): The spillway is part of the Central Everglades Protection Plan (CEPP). The work was conducted for the USACE Jacksonville District with SFWMD as a Sponsor. Project involved developing a 3D CFD model to analyze flow conditions in the L-29 canal associated with construction of the S-355W spillway and bypass canal.
- Update of Stormwater Master Plans for Miami Dade County. Client Miami-Dade County Principal Engineer for the Update of Miami Dade County's stormwater models of Basins C1, C2, C3, C4, C5 C6, C7, C8, C9, C103. QA/QC Reviewer for the update of basins C100, C102 and C111. The update included submittal of model C8 and C9 to the Federal Emergency Management Authority (FEMA). The project conducts hydrologic and hydraulic modeling for current and future conditions, develops pollutant load estimates, documents the models for each basin, and provide analysis of climate change conditions, including sea level rise for near and long term and provides model simulations reflecting changes in hydrology.
- Hydrologic Modeling of West Miami Dade Reservoir for Phase II, Phase IIIA, Phase IIIB1 and Phase IIIB2 (South Florida): Conducted hydrologic modeling (using MIKE SHE/11) of a proposed 1,200-acre reservoir in existing rock mining facility which could be constructed in West Miami-Dade County, West of Krome Avenue. Work included model development (1,200 square miles of land and 600 miles of canals and pertaining control structures), calibration, simulation of multiple scenarios, data analysis and reporting. The project evaluated the impacts on the West Wellfield, canal flows, and water levels in the Everglades National Park including existing and planned seepage wall at levee L-31N.
- Climate Change Adaptation Planning Assessment and Implementation for the US Virgin Islands. University of West Indies Climate Change Adaptation Planning Assessment and Implementation for each of the US Virgin Islands. Using a 2D numerical model of critical areas, the study evaluates the flood elevations, time of flooding and flood duration statistics and develops flood maps and provides engineering analysis for selected critical infrastructure components.
- Development of 2D hydrodynamic model of Stormwater Treatment Area STA1-W Clients: Development of MIKE FLOOD model which integrates MIKE 11 and MIKE 21, calibration, validation and simulation scenarios for multiple configurations of more than 7,000 acres of the existing STA 1W and proposed 6,000 acres of extension.
- Integrated Surface and Subsurface Flow Model of the Everglades National Park (South Florida): Developed a regional integrated surface and subsurface hydrologic model for more than 1,200 square miles of land and 120 miles of canals) to analyze the changes of hydrology for a range of operation scenarios and hydrologic conditions.
- Development of 2D hydrodynamic model of Stormwater Treatment Area STA-1W (SFWMD): Developed MIKE FLOOD model which integrates MIKE 11 and MIKE 21, calibration, validation, and simulation scenarios for multiple configurations of more than 7,000 acres of the existing STA-1W and proposed 6,000 acres of extension.

Software:

Expert-level knowledge of state of the practice numerical software for 1D, 2D and 3D models (ANSYS, Autodesk CFD, MIKE SHE/11/21/FLOOD/ECOLAB, MODFLOW, XPSWWM, ICPR), spatial analysis using GIS technologies, statistical processing software (SAS, MATLAB), computer programming, and scripting (FORTRAN, C, C++, MATLAB, SAS, PYTHON, UNIX SHELL) AutoCAD Civil 3D, HEC-RAS, ICPR, ArcGIS, MS Project

EDUCATION

- Bachelor of Science in Civil Engineering, Bangladesh University of Engineering and Technology (BUET), 1998

PROFESSIONAL CERTIFICATIONS

- Florida PE
License No. 80669
- California PE
License No. 75093
- FDOT Advanced MOT
Certificate No. 34224

SOFTWARE SKILLS

- STAAD Pro, ANSYS, ETAB, ENERCALC
- AutoCAD, MicroStation
- HEC-1, HEC-2, HEC-HMS
- HEC-RAS, WATPRO, SWMM
- ArcMap, Arc Info
- STORMCAD, Water CAD, EPANet

PROFESSIONAL TRAINING

- FDOT Specification
- XPSWMM Stormwater & Flood Modeling Training
- Professional Management Institute (PMI)
- ICPR Software Training
- Professional Liability Training

KEY EXPERIENCE

- Site Development
- Water Distribution System
- Sewer Collection System
- Stormwater Management System Design
- Roadway and Signal Design

SUMMARY OF EXPERIENCE

Mr. Rahman is a senior engineering leader with more than twenty-one (21) years of progressive experience managing and delivering complex infrastructure, transportation, and civil engineering projects. He provides strategic direction, technical oversight, and executive-level leadership throughout all phases of project development — from planning and design through coordination, permitting, and implementation. His ability to align technical execution with client objectives has resulted in successful project delivery while maintaining schedule, budget, and quality expectations.

Known for his strong strategic mindset and problem-solving expertise, Mr. Rahman excels at identifying project risks early and implementing practical, results-oriented solutions. He has extensive experience leading multidisciplinary teams, mentoring technical staff, and coordinating with public agencies, stakeholders, and regulatory authorities. His leadership style emphasizes collaboration, accountability, and performance-driven outcomes, enabling organizations to maximize resources, enhance productivity, and achieve long-term operational success.

Mr. Rahman is highly regarded for his clear and persuasive communication skills, effectively translating complex engineering concepts into concise executive briefings and stakeholder presentations. He brings significant experience working within culturally diverse environments and fostering strong professional relationships that support project success.

Technical Expertise: AutoCAD/LDD, MicroStation, ICPR, ASAD, HEC-RAS, XP-SWMM, CORSIM, VISSIM, TRANSYT-7, Synchro, HCS, CUBE, GEOPAK, and Primavera P6.

SAMPLE PROJECTS

N. Riverside Drive Stormwater Pump Station Design – City of Pompano Beach, FL: MD Rahman provided services for the design of **two (2) coastal stormwater pump stations rated at approximately 10,000 GPM each** as part of the N. Riverside Drive Streetscape Improvements Project. The project addressed drainage capacity deficiencies within a tidally influenced corridor and enhanced flood resiliency during high-tide and intense rainfall events.

Services included hydrologic and hydraulic analysis, pump station configuration and layout, structural and electrical coordination, permitting support, and preparation of construction plans and technical specifications. Coordination was performed with the City of Pompano Beach, local drainage districts, USACE, SFWMD, and other regulatory agencies.

MIAMI-DADE STORMWATER MASTER PLAN UPDATE, MIAMI-DADE, FL: Mr. MD Rahman contributed to the update of the Miami-Dade County Stormwater Master Plan hydraulic model developed using XP-SWMM, supporting countywide flood resilience and long-term planning initiatives. His work included updating multiple drainage basins (C-1, C-2, C-3, C-7, C-8, and C-100), incorporating revised culvert data, canal cross sections, land use conditions, and groundwater information. He performed model calibration and validation using SFWMD DBHYDRO data and updated boundary conditions to account for projected sea level rise and future ocean water elevations. Mr. Rahman developed floodplain mapping for multiple storm events and future planning horizons and assisted in preparing mitigation strategies aimed at reducing flood risk and improving system performance under future climate conditions.

CITY OF OPA-LOCKA SANITARY SEWER MASTER MODEL, CITY OF OPA-LOCKA, FL: Mr. MD Rahman led the development of a comprehensive sanitary sewer master planning model to support long-term utility resiliency, capacity planning, and wet-weather performance evaluation for the City's wastewater infrastructure. The model integrated the complete gravity sewer network and nineteen (19) pump stations, including force mains, pipelines, manholes, and rainfall inputs, to assess system behavior under existing and future conditions. Utilizing calibrated data from the Miami-Dade Water and Sewer Department (MDWASD), he validated hydraulic performance and identified areas vulnerable to inflow and infiltration (I&I) caused by rainfall and groundwater intrusion. His analysis provided actionable insights for asset prioritization, infrastructure rehabilitation, and climate-resilient planning strategies aimed at reducing system risk, improving reliability, and supporting sustainable utility operations.

CITY OF DORAL LEGACY PARK, CITY OF DORAL, FL: Mr. MD Rahman performed a comprehensive wet-condition mitigation study for the baseball field at Legacy Park, evaluating drainage deficiencies and site constraints affecting field usability and resilience during wet weather events. The effort included investigation of existing grading, drainage patterns, and potential groundwater or stormwater impacts to identify root causes of persistent field saturation. He developed and evaluated multiple mitigation alternatives, providing the City with technically sound and cost-effective solutions to improve drainage performance and long-term field durability. Following selection of the preferred alternative, Mr. Rahman prepared a complete set of engineering plans supporting implementation, enhancing site resiliency, reducing maintenance impacts, and improving overall recreational facility performance.

FLAMINGO PARK, CITY OF SUNRISE, FL: SSN Engineering provided civil engineering design services for approximately 22 acres within Flamingo Park in the City of Sunrise, Florida, supporting recreational facility enhancements and site infrastructure improvements. Mr. MD Rahman was responsible for the drainage system design and site grading development, including preparation of grading plans for the football and baseball fields to improve stormwater management, field performance, and long-term resiliency. His work focused on optimizing site elevations, promoting positive drainage, and ensuring compliance with applicable City and regulatory standards while enhancing usability of the athletic facilities.

CIVIC CENTER IMPROVEMENT, CITY OF SUNRISE, FL: Mr. MD Rahman provided civil engineering design services for site improvements associated with the parking lot, Civic Center, and Athletic Club & Gymnasium Addition in the City of Sunrise, Florida. He was responsible for the stormwater drainage system design and preparation of detailed grading plans to support proper site drainage, accessibility, and functionality. His work focused on optimizing site elevations, managing stormwater runoff, and ensuring compliance with applicable City standards while supporting the expansion of community recreational and civic facilities.

SR 710/ BEELINE HIGHWAY/ WARFIELD BLVD, MARTIN COUNTY, FL: Mr. MD Rahman served as Project Engineer for the reconstruction of approximately 5.201 miles of SR-710, transforming an existing rural two-lane undivided roadway into a four-lane divided corridor from the FPL Martin Power Plant access road to CR-609/SW Allapattah Road. The project included roadway widening, turn lanes, driveway access improvements, and intersection enhancements to improve safety and operational efficiency. Mr. Rahman was responsible for developing horizontal and vertical alignments, pavement design, and stormwater drainage systems, as well as preparing roadway and drainage cross sections. He coordinated key design elements to ensure compliance with project standards while integrating roadway geometry, hydraulic performance, and constructability considerations.

SR-5/US-1 Resurfacing, Restoration & Rehabilitation (3R) – Miami-Dade County, Florida: Mr. MD Rahman supported the design of a 3R project along SR-5/US-1 from south of SW 112th Avenue to north of SW 184th Street/Eureka Drive. The project included milling and resurfacing, ADA and pedestrian signal upgrades, drainage repairs, sidewalk and curb improvements, traffic signal reconfiguration, and installation of bike lanes, enhancing safety and multimodal mobility in accordance with FDOT standards.

NEW WORLD SYMPHONY, MIAMI-BEACH, FL: Mr. MD Rahman served as Project Engineer for the New World Symphony campus expansion in Miami Beach, a high-profile project designed by acclaimed architect Frank Gehry. He played a key role in the **design and engineering of a stormwater pump station**, developing solutions to manage drainage challenges associated with the coastal environment and urban site constraints. His responsibilities included alternative stormwater drainage design, pavement design, preparation of drainage plans and technical reports, and coordination with multidisciplinary teams to ensure regulatory compliance and reliable stormwater system performance.

EDUCATION

- Master of Engineering in Civil Engineering, Lamar University, Beaumont, TX
- Bachelor of Science in Civil Engineering, Bangladesh University of Engineering and Technology (BUET), 1998

PROFESSIONAL REGISTRATION

- Florida PE
License No. 63208
- Texas PE
License No. 95699

SOFTWARE SKILLS

- STAAD Pro, ANSYS, ETAB, ENERCALC, cwalsh
- AutoCAD, MicroStation
- HEC-1, HEC-2, HEC-HMS
- HEC-RAS, WATPRO, SWMM
- TR-20, TR-55
- ArcMAP, ArcInfo
- STORMCAD, WaterCAD, EPANet
- HYDRAFLOW,
- MS Office, MS Project

SUMMARY OF EXPERIENCE

Mr. Hassan has over seventeen (17) years of experience in planning, design, engineering and management of projects involving water- infrastructure design, site design, drainage design, design of multi-storied steel frames, design of floating structures, design of above ground and underground large concrete structure, design of hydraulic structure and retaining wall & sheet pile, watershed & floodplain studies, erosion & sediment (E&S) control, and drainage system design and analysis throughout the United States. Mr. Hassan possessed strong project management, client relationship, and communication, presentation, and organization skills through my professional experience. He demonstrated ability to work with clients ranging from private and local governments to state and federal agencies and general public.

SAMPLE PROJECTS

PASCO COUNTY WATER TRANSMISSION MAIN, US 41, TOWER TO RIDGE, PASCO COUNTY, FLORIDA: The project route evaluation, design, permitting, and construction phase services for **17,000 LF of 30-inch diameter transmission main**. Magnitude of the project is \$5.5 million. Preliminary engineering services included the development of a hydraulic analysis with multiple modeling scenarios for existing and future conditions and a detailed cost estimate. The 30-inch diameter water transmission main line implemented along the US-41 corridor connecting at the south end to the Tampa Bay Water U.S. Designs included pipeline, tunnels, vaults with 8-inch vacuum relief/air release valves, 8-inch surge valves, drain valves and a 500 MGD intake structure. Designs included services for survey and right-of-way acquisition.

Provided project engineering for all aspects of the project, including detailed alignment studies; comprehensive hydraulic and surge modeling, including water quality studies; extensive environmental permitting including Federal NEPA compliance; investigation of various pipe materials for the transmission main; design of trenchless crossings of major highways and railroads; final design and bidding services; and construction services, administration, and on-site inspection.

NORTH MIAMI DADE WASTEWATER TREATMENT PLANT WATER RECLAMATION FACILITIES, MIAMI, FLORIDA: Mr. Hassan was the Lead Structural Engineer for this project. This project included design and construction management of **3.5 MGD Filter system for the North District Wastewater Treatment Plant Water Reclamation Facility**. This includes secondary effluent transfer pumps, deep bed down flow sand filter, sodium hypochlorite post treatment, water storage tanks and high service pumps for reuse water. The value of the Miami Dade design and contraction management contract is \$3.4 million.

CIVIL/STRUCTURAL ENGINEER AT PARSONS WATER & INFRASTRUCTURE, WEST PALM BEACH, FLORIDA: As a Civil/Structure Engineer, Mr. Hassan provided engineering support for designing of multi-storied steel structure; design of above ground and underground large concrete structure, design of hydraulic structure, floating structure and sheet pile. Other responsibilities include development of civil design construction documents and sign as Professional Engineer, Prepares and or provides assistance with preliminary/final contract documents, specifications and plans, analyze and Design Concrete, Steel Structure and apply Federal, State and local structural engineering code, QA/QC structural calculations which includes wind/earth quake load calculations, wave& current loading calculation, Vortex Shredding and other general structural calculations, QA/QC detail structural drawings which includes welding details, steel bolt joint details, general concrete and steel structure details, QA/QC Structural design analysis report by using classical methods/first principles, Design site layout, analyze drainage, water and wastewater utilities, documents by applying engineering

standardization of practices and principles of highly technical and complex calculations for civil engineering discipline within the local and state regulatory requirements, manage engineering projects that are technically complex, highly visible, priority projects or programs, develop cost estimates for various engineering projects and feasibility reports, perform site inspections for various civil design projects to ensure compliance with plans and specifications, attend meeting with various agencies and present modeling/designing issues and resolve those issues, and mentor young engineers.

Mr. Hassan had worked on the following projects while working for Parsons Brinkerhoff:

- Lead Structural Engineer, North Miami Dade Wastewater Treatment Plant Water Reclamation Facilities, Miami, FL.
- Civil/Structural Engineer, Picayune Strand Restoration Project (PSRP), Collier County, FL. Structural Engineer, Bear Creek Channel Improvement Project, Pinellas County, FL
- Structural Engineer, Little Falls Wastewater Treatment Facilities, Stafford County, VA
- Civil Engineer/Water Resource Engineer, Alafia River Water Management Plan (WMP), Hillsborough County, FL.
- Civil Engineer/Water Resource Engineer, Rocky/Brushy Creek Water Management Plan (WMP), Hillsborough County, FL
- Civil Engineer, C-51 and Southern L-8 Reservoir Temporary Interim Pump Facility (TIPF) Site and Conceptual Pump Station Design, Palm Beach County, Florida.
- Project Engineer/Project Manager, Andersen Air force Base (AFB) - Northwest Field Utility Design, Guam, USA.
- Civil Engineer, Belle Mead Watershed Management Plan, Naples, Florida.

ENGINEER AT CPH ENGINEERS INC. PALM CITY, FLORIDA: Mr. Hassan served as a project manager/engineer in various commercial/residential land development projects in the private sector. Project gross area varies from 1 ac. to 50 ac. Designed the utilities, site layouts and drainage management systems for the project.

Mr. Hassan had worked on the following projects while working for CPH:

- CHURCH Extension land development, City of Fort Pierce, Florida- 5 Acres Land Development Project.
- South Florida Shooting Ground, St Lucie West, FL-44 ac Land Development Project
- AutoZone Retail store land development, Tampa, Florida- 1.5 Acres Land Development Project
- McDonalds restaurant land development, Tradition, Port St. Lucie, Florida - 1.5 Acres Land Development Project
- Wal-Mart Supercenter, Palm Coast, Florida-39 Ac Land Development Project
- AutoZone, Main Street, City of Labelle, Florida- 1.5 Acres Land development project
- McDonalds, 4th street, City of Fort Pierce, Florida-2.0 Acres Rebuild design project
- Strawberry Fields - Town Homes Development, Ft. Pierce, Florida- 9.13 Ac Land development Project
- Wal-Mart Supercenter, Port Charlotte, Charlotte County, Florida- 50 Ac Land Development Project
- Mile Roadway Extension work-Kings Highway- Charlotte County, FL- Roadway Extension Work.
- Kennedy Homes Subdivision –Seminole Palm, Green Acres, Florida- 14 Acres Land Development & Construction Administration Project
- Wal-Mart Neighborhood Market, City of Cape Coral, Florida-32 Acres Land Development Project
- Home Depot Plaza Shopping Center, Port St. Lucie, Martin County, Florida- 24 Acres Land Development Project.

Summary:

Mr. Palermo has over 21 years of experience in water resources engineering directly related to the Comprehensive Everglades Restoration Plan. His experience is comprised of many critical infrastructure projects in support of the South Florida Water Management District and U.S. Army Corps of Engineers (USACE). He is proficient in a wide range of functions including resident engineer, project management, design management, construction management, construction cost estimating and program planning. His specialty and area of expertise is projects involving large - scale dams, reservoirs, pump stations, federal levees, spillways, gated structures, culverts, hydraulic and mechanical dredging, coastal structures and conveyance systems throughout south Florida. He has detailed knowledge of the SFWMD infrastructure, standard design specifications, design criteria memorandums, technical review procedures, project formulation and construction quality assurance and quality control procedures. He is also an active Board Member of the American Water Resources Association, Florida Section

Education:

BS Environmental Resources Engineering 2003; SUNY ESF, Syracuse, NY AS Engineering Science, 2001; FLCC, Canandaigua, NY

Licenses & Certifications:

Professional Engineer – FL; 70130

Certified Contractor Quality Management for USACE;

American Society of Civil Engineers; American Water Resources Association Board Member;

Key Projects:

- **USACE S-355W Spillway Design** , The proposed S-355W spillway project is a component of the overall Central Everglades Planning Project (CEPP) South. The structure is to be located in the L-29 canal, located at the southern extent of the new L-67D Levee (i.e. Blue Shanty Levee), which will intersect with the L-29 levee and extend from the Tamiami Trail northward to the L-67A levee. Acting as the Architect -Engineer (A-E) under a Federal Indefinite Delivery Indefinite Quantity (IDIQ) with USACE Jacksonville, ECP Consultants Inc. was contracted to perform the Project Management required to furnish all necessary services, surveys, field investigations, geotechnical, environmental, utility, real estate, construction cost estimates, CFD modeling, studies, and coordination with SFWMD and FDOT, as required to create detailed engineering and design products, development of optimized project features, preparation of a design documentation report(DDR), construction contract plans, and contract technical specifications. Engineering and design (E&D)consists of incorporating the various design data, investigations, and information provided in the DDR into the plans and specifications (P&S). Work includes performing detailed structural, geotechnical, hydraulic and hydrologic analyses, and design of the project's components. The proposed S-355Wstructure was designed to be a trapezoidal weir concrete spillway with steel vertical lift gates for controlled discharge operations. The proposed structure is a two-bay gated spillway with the design capacity 1,200 cfs and a separated FDOT downstream public two-lane traffic bridge. The integrated design required detailed coordination with the Design Leads of SFWMD, FDOT, FPL, AT&T as well as USACE.
- **Dispersed Water Management El Maximo Ranch**, The Garica Companies Designer Engineer of Record; providing Engineering support for the design report, plans and specifications and engineering during construction for a Dispersed Water Management System (DWS) on the EL Maximo Ranch in Osceola County, FL. The DWS is intended to assist in managing source basin runoff from the basin by attenuating peak flows and temporarily storing a portion of stormwater runoff prior to it being conveyed downstream. Flows are received via the Kissimmee River from the west and from the north via Blanket Bay Slough. The DWS will consist of 8 basins isolated by earthen berms. Four Electrical Inflow 100 cfs Pump Station's, nine

- Control Structures, ten Overflow Structures, one Turnout Structure and three Canals, all of which will control the water to temporarily capture and detain water within the system. The project will include approximately 29.37 miles of perimeter embankments and 6927 acres of potential storage footprint with all enclosed basins. The purpose of the El Maximo Ranch Northern Everglades and Estuaries Protection Program (NEEPP) Project is to provide regional water quality treatment on approximately 7,030 acres +/- of land currently used for agriculture purposes in southern Osceola County. The proposed Project area is in the western portion of El Maximo Ranch, west of the main grade. The Project includes pump stations from Lake Kissimmee and Blanket Bay Slough that will pump water onto the property. In addition, stormwater will be detained within the project area by a system of berms and outlets structures to facilitate surface water quality enhancement during periods of low flow or environmental needs. The Project is a public - private partnership between the South Florida Water Management District (SFWMD) and The Garcia Companies.
 - **Rio Puerto Nuevo RPN Contract 4B and Contract 5; San Juan, Puerto Rico** Design Engineer providing Engineering support for the Independent Peer Review of the MOT and Civil Design for the Intermediate, Final and Prefinal design report, plans and specifications for the RPN Project. The Channal Walls, Bridges and infrastructure to be impacted consists of utilities, siphon crossing, water mains, Electrical and Telecommunication connections to facilitate the widening of the RPN Channel utilizing drilled shaft walls
 - **Development of Dewatering Plans for C-23 & 24 A2 STA** Dewatering Engineer: Developed dewatering plans for 18 structures (including spillways, pump stations and culverts). The STA covers approximately 4,500 acres of farmland that is being converted into a stormwater treatment area. The project includes an earthen cofferdam design and slope stability design, as well as permitting thru SFWMD.
 - **Development of Dewatering Plans for C-139 Annex, Client: Ranger Construction and SFWMD** Dewatering Engineer: Developed dewatering plans for 3 structures (including spillways, pump stations and culverts). The C - 139 Annex covers approximately 3,000 acres of farmland that is being converted into a restoration area. The project provides the dewatering Plans for G - 765S, G - 771 and G - 770, including earthen cofferdam specifications and wellpoint design.
 - **Development of Dewatering Plans for A2 STA in West Palm Beach,** Dewatering Engineer: Developed dewatering plans for 22 structures (including spillways, pump stations and culverts). The A - 2 Reservoir covers approximately 7,000 acres of farmland that is being converted into a stormwater treatment area. The project includes an earthen cofferdam design.
 - **Rio Puerto Nuevo RPN Contract 2B and Contract 2DE; San Juan, Puerto Rico** Design Engineer providing Engineering support for the scoping, assignment, preliminary design report, plans and specifications for the RPN 2B Roosevelt Bridge and 2DE Walls. Utilities included a Siphon crossing, Water Mains, Electrical and Telecommunication connections to facilitate the widening of the RPN Channel utilizing drilled shaft walls.
 - **C-139 FEB & Pump Station Design South Florida Water Management District,** Hendry County, Florida Project Engineer; support for development of the Design and the delivery of 100% Plans, Specifications and Design Documentation Report. The C - 139 project is the development of a 2800 acre - 11,000 ac - ft impoundment, 690 cfs pump station, 100 cfs seepage pumpstation, and two outfall structures to manage the excessive flow associated with an event as water is conveyed to storage treatment area. The overall project includes the modeling, survey, geotechnical, engineering and design to support the development of the Final RTA package. These pump stations utilize axial flow pumps, include vacuum priming, seal water pumps, and trash rake systems on the pump intake.
- Dashields Locks and Dam Guide Wall Stabilization, Pittsburgh, PA.** Engineer providing preliminary engineering design of cofferdam based on subsurface investigations and laboratory testing services. The project included a design documentation report(DDR), plans, specifications, cost, quantities, environmental permits applications, quality control plan, and bidding, and construction plans.

EDUCATION

- Architecture (BS), Javeriana University Bogota, Colombia

PROFESSIONAL CERTIFICATIONS

- Stormwater management inspector
- Project Management Certification PMI
- OSHA
- Steel and Erection Safety Standards
- Modern Blasting Technology
- Risk management

PROFESSIONAL TRAINING

- 30 Hours OSHA
- PMI
- CPR/AED
- Steel Erection
- Stormwater Management Inspections

KEY EXPERIENCE

- Construction Management and Field Inspections
- Contracts Negotiation
- Strategic Planning
- Estimating and Bids
- Quality Assurance and Control
- Clients Relationship
- Procurement
- Leadership

WORK HISTORY

- BACO Engineering Contractor
- Wechsler Construction
- Tierra South Florida, Inc.
- SFWMD
- Engle Homes, FL USA
- Centex Homes, FL USA
- Burns & McDonnell, FL USA
- JDH & Associates, Colombia
- JST, Barcelona Spain
- Interplan, Colombia-Ecuador

SUMMARY OF EXPERIENCE

Over 25+ years of experience managing commercial and technical organizations performing residential, engineering, and commercial. Proven track record in successful sales and project management. Managed overall performance of overseas projects with international suppliers and local personnel. Computer skills with proficiency with MS products, scheduling, and drafting tools. International experience in Latin America and Europe in a highly competitive environment, along with multi-lingual (English, Spanish) capabilities and presentation skills, a proven record of a successful construction management career. Projects value from 5 to 120 million dollars.

- Monitoring, enforcing compliance of construction drawings, specifications, scheduling, managing subcontractors, managing city and private inspectors, quality control, subcontractors' meetings, safety meetings, RFI'S, change orders. Tunnel system, PT cables and traditional structural construction.
- Project Management
- Worked with Senior VP, operations manager, field, and office core personnel to establish planning for job Execution and Logistics.
- Evaluate and maintain cost control and forecast from beginning and through the duration of project.
- Coordinates requirements of governing authorities for permits, inspections, and final approval of the project with A/E.
- Maintain submittal control, including scheduling, receiving, reviewing, approving, and expediting submittals from suppliers and subcontractors to comply with progress of CPM schedule.
- Manages client relations and participate with the development of new business for the company.
- Control invoicing from subcontractors and vendors, including review and approval of schedules of values, pay requisitions and verify compliance of subs with proper insurance coverage.
- Review and monitors QC/QA and safety.
- Supervise and assist in the development of office personnel through mentoring and on-the-job training.

PROJECT EXPERIENCES

- **South Florida Water Management District. & Brown & Caldwell West Palm Beach. FL, Multiple projects:** Levees, roads, 12 story concrete buildings for pump stations, submarine bridge piles restorations, new concrete bridges, triple, double and singles box culverts & culvert pipes, reservoirs, boat ramps, helicopter pads. Bridges with concrete piles, precast slabs deck sections & cast in place, concrete barriers, approach slabs, sheet piling walls and solar lights systems. Structures with associated mechanical control gates, control rooms, underground fuel tanks, Projects USD \$65M.
- **Wechsler Construction. Coral Gables. FL. USA. – Project Manager – “850 LEJEUNE”:** 4 six story residential buildings with 230 units. 1.2.3 Bedrooms. Ground Pool. 2 five story office buildings. 8 story parking garage building with 780 places. Total: 1'000.000 sf.
- **Related Group. Miami. FL. - “MARTINE FINE”:** 8 story building with 104 units 1 & 2 bedrooms. 50% units for handicap. Parking & recreational areas.

- **Millcreek Residential. Boca Raton. FL. USA:** Superintendent – “RIVER SIDE”
1 eight story and 2 five story residential buildings with 300 units 1.2.3 Bedrooms. Roof pool.
- **Tierra South Florida Inc. West Palm Beach. FL, USA:** Quality Control Manager / Inspector
Multiple projects: 20 story building with 90 units. 4 buildings 8 story with 250 units. 8 story parking garage building. 5 buildings 8 story with 253 units.
- **Engle Homes. Pompano Beach. FL, USA:** Construction Manager – “ISLES AT DORAL” 14 four story buildings with 80 town homes, parks, paver roads, club house. Pool. Area; 75,928 ft². 360 two story town homes, club house, pools. Areas: 1,800 to 2,600 ft.
- **Centex Homes. Boynton Beach. FL, USA – Superintendent – “ISLES AT WESTON”** 700 Luxury single family homes, club house, pools. Acted as a liaison between the owners and the company. Manage 40 homes per year. Areas: from 3,000 to 4,500 ft². 9 models. Value from \$450,000 to \$680,000 each. Project Value: USD \$250 mill. Budget estimated savings of 4.5%.
- **Burns & McDonnell, Engineers, Architects. Coral Gables. FL, USA - Resident representative:** “The Everglades Restoration Project”. Two pump stations with a capacity of 6,500 cf. Structure consisted of more than 35,000 cubic yards of concrete to house seven pumps each nine feet in diameter with large diesel engines. Pump stations included: Own water purification system, fuel storage tanks, concrete bridges, retaining walls, box culverts, earthwork, roadways, instrumentation, control systems. Duties: Reinforcement steel inspection, forms erection, concrete placement, precast concrete walls, equipment installation and mechanical systems. Interior areas: 40,000 ft². Exterior areas: 56,000 ft². Value: USD\$56 million. Project on time & within budget estimated saving of 4.5%.
- **J D H & Associates, Architects, Developers. Bogotá, Colombia:** Architect Associate & Construction Manager: Managed construction and supervision of multiple projects Administration, supervision of on-site technical personnel, inspections, steel reinforcement, concrete placement, bricks walls, drywalls installation, electrical, mechanical, plumbing and interior finishing for: “Residential and Military Facilities” Police Department. 3 four story buildings, 60 two bed. Units, club house, fitness center, parking, and landscape. Area: 61,200 ft². Value: USD\$4.8 million.

“Los Alerces”. 7 story building, 12 luxury 3 bed. Units, underground parking, fitness center & meeting room. Area: 33,800 ft². Value: USD\$3.7 million.

“Balcones De Los Alerces”. 7 story building, 18 Luxury 2 bed. Units, underground parking, fitness center & meeting room. Area: 38,300 ft². Value: USD\$3.2 million.

“Rincon de Los Alerces”. 7 story building, 20 luxuries 2 and 3 bed. Units, underground parking, fitness center & meeting room. Area: 44,100 ft². Value: USD\$3.4 million.
- **Josep Sobrevias Tresserras Architects, Developers. Barcelona, Spain:** - Superintendent Control and supervision of on-site of technical personnel, material, equipment, and scheduling for: “Perafita Residential Country Club” 40 three story town homes. Area: 66,200 ft². Value: USD\$4.2 million.
- **Interplan – International Planning & Construction Co. Colombia & Ecuador-** Superintendent Control and supervision of on-site technical personnel, material, equipment, and scheduling for: “El Condado de Castilla” residential development in Bogotá, Colombia. With 32 two story town houses, Area: 42,300 ft². Value USD\$2.6 million. Estimated saving of 2.5%.
“Centropolis” residential development in Guayaquil, Ecuador. With 3 five story buildings and 57 one- and two-bedroom apartments, Total area: 35,000 ft². Value USD\$2.1 million.



Juan C. Gonzalez, P.E.
Project Geotechnical Engineer
5795-A NW 151st St.; Miami Lakes, FL
Phone: 305. 828-4367; Fax: 305. 828-4235
Availability = 70%

PROFESSIONAL REGISTRATION:

Florida P.E. # 88803

EDUCATION:

2010-2012: M.S., Civil Engineering, (Geotechnical), University of Puerto Rico
 2006 to 2010: Bachelor of Science in Civil Engineering, University of Puerto Rico

RECENT EXPERIENCE:

Mr. Gonzalez has **13 years** of professional experience and has worked on numerous small to large size geotechnical engineering projects for the public and private sectors. He is responsible for assisting senior geotechnical engineers including planning, analysis and design of projects. His experience includes planning of subsurface explorations and laboratory testing, data interpretation, analysis and design of foundation elements for roadways, airport and railroad facilities. He has worked on the following projects:

SUMMARY OF CAPABILITIES

Soils Survey	Geotech. Studies	Laboratory Testing	Structures Foundation Analysis & Design	Pile Driving Computer Model.	PDCA's PDA Certification	PDA, CSL, PIT, & Vibration Monitor.	CTQP Certifications
✓	✓	✓	✓	✓	✓ (Intermediate)	✓	✓ (Piles&Shafts)

EMPLOYMENT HISTORY

January 2012 to Present, Staff to Project Geotechnical Engineer, Geosol, Inc., Miami Lakes, FL

PROJECT EXPERIENCE

FM No.: 250730-2-32-01 and - 03, Districtwide Geotechnical & Materials Testing Contracts, From Monroe to Miami-Dade Counties, FDOT D6. Project Geotechnical Engineer responsible for executing over 400 work orders for projects during PD&E, final design and construction phases. **Recent performance grade was 4.8.** Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: 2012-on-going.

FM No.: 439709-3-62-01, Districtwide Geotechnical & Materials Testing Contracts, From Broward to Osceola Counties, FDOT D4. Project Geotechnical Engineer responsible for executing over 35 work orders for projects during PD&E, final design and construction phases. Client: FDOT, PM: Rocio Merlihan, PE; Phone #: 954.677.7030. Year: 2023-on-going.

FM No.: 440143-1-52-01, Roadway Improvements on Various Locations Along SR-25/US-27, from MP 15.309 to Broward/Palm Beach Countyline at MP 27.678, FDOT D4, Length: 12.4 miles. Project Geotechnical Engineer for design responsible for field exploration & laboratory testing, foundation analyses & geotechnical reports. Client: FDOT (c/o: CTS Eng.; Mr. Steve Hughes, PE; Phone: 954.637.1606.) Year: 2019-2020.

FM No.: 434273-3-32-01, SR-9/I-95 Safety/Lighting Improvements, from S. of SR-706 Interchange. to Palm Beach/Martin Countyline Palm Beach County, FL, FDOT District 4, Length: 11.5 miles. Project Geotechnical Engineer for design responsible for field exploration & laboratory testing, foundation analyses & geotechnical reports. Client: FDOT (c/o: CTS Engineering, Inc.; Mr. Steve Hughes, PE; Phone: 954-637-1606.) Year: 2018-2019.

FM No.: 438117-1-52-01, Milling and Resurfacing of SR 93/I-75 from Sheridan Street to US-27, Bike/Sidewalk on SR 84 from Glades Parkway to Weston Road, and Auxiliary Lanes on SR 93/I-75 from Sheridan Street to Griffin Road, Broward County, FL, FDOT District 4, Length: 8 miles. Geotechnical Engineer for design providing assistance with field exploration & laboratory testing, foundation analyses & geotechnical reports. Client: FDOT (c/o: Gannett Fleming, Inc.; Ms. Alina Fernandez, PE; Phone: 305-908-3937.) Year: 2019-2020.

FM No.: 439929-1-52-01, Roadway Improvements on Various Locations Along SR-25/US-27, from MP 12.63 to 25.85, Palm Beach Co., FL, FDOT District 4, Length: 13.2 miles. Project Geotechnical Engineer for design responsible for field exploration & laboratory testing, foundation analyses & geotechnical reports. Client: FDOT (c/o: GOAL Associates.; Mr. Godfrey Lamptey, PE; Phone: 786-600-3350.) Year: 2019-2020.

Golden Glades Multimodal Transportation Facility, Parking Garage and Pedestrian Bridge Connecting to Parking Garage, Miami, FL, Design-Build, FDOT D6. Geotechnical Engineer assisting with field explorations, lab testing, foundation analysis, design, inspections and foundation certifications. Client: APCTE, Inc. PM: Carlos Gil-Mera, PE. Phone: 305. 592-7283. Year: 2018-2020.

Hard Rock Stadium Pedestrian Bridges and Tunnels, Design-Build, FDOT D6. Geotechnical Engineer assisting with field explorations, lab testing, foundation analysis, design. Prepared the geotechnical reports, provided inspections, and foundation certifications for 2 bridges and associated MSE Walls. Client: Bentley Engineers & Architects, Inc. Phone: (407) 331-6116. Year: 2016-2019.

FM No.: 432705-1-32-01, Design Services for SR 710/Warfield Blvd. From E. of SR 76 to Martin/Palm Beach Co. Line, FDOT D4, Length = 6 miles. Mr. Gonzalez serves as Project Geotechnical Engineer responsible for design and implementation of field exploration and laboratory testing, geotechnical analyses, design and report for roadway widening & reconstruction with rigid pavement, drainage improvements and culvert for animal crossing. Client: FDOT (c/o Mr. Carlos H. Perez, P.E.; C.H. Perez, & Associates, Inc. Phone: 305.592.1070.) Year: 2014-2016.

FM No. 230368-1-52-01: SR 5 Reconstruction Design-Build, from N. of SR 713 to S. of Oslo Road, St. Lucie/Indian River Counties, FDOT D4, Length = 2 miles. Mr. Gonzalez serves as Project Geotechnical Engineer responsible for field & laboratory testing programs, performing foundation analyses & design for roadways & bridges, geotechnical reports, pile installation inspections, PDA testing, driving criteria, foundation certification packages & vibration monitoring. Client: FDOT (c/o OHL; Mr. Brian Beetle; Phone: 772.316-1760.) Year: 2012–2015.

FM No.: 429576-2-52-01, SR 7/US 441 Transit Corridor Improvements, from Broward County Line to Sample Road & SR-858/Hallandale Beach Blvd from Edmund Rd. to SW 58th Ave., D4. Project Geotechnical Engineer responsible for planning and executing the field exploration, laboratory testing, performing foundation analyses for design of shared use path, drainage & Gravity Walls. Prepared geotechnical reports. Client: FDOT (c/o Mr. Adebayo Coker, PE; HBC Engineering Company, Inc.; Phone 305.232.7932.) Year: 2019 – 2020.

FM No.: 434273-3-32-01, SR-9/I-95 Safety/Lighting Improvements, from S. of SR-706 Interchange. to Palm Beach/Martin Countyline Palm Beach County, FL, FDOT District 4, Length: 11.5 miles. Project Geotechnical Engineer for design responsible for field exploration & laboratory testing, foundation analyses & geotechnical reports. Client: FDOT (c/o: CTS Engineering, Inc.; Mr. Steve Hughes, PE; Phone: 954-637-1606.) Year: 2018-2019.

FM No.: 434922-1-52-01: SR 90/Tamiami Trail, Design-Build, 2.6-Mile Bridging, Miami, FL, FDOT D6. Mr. Gonzalez served as Project Geotechnical Engineer during design & construction responsible for field exploration & laboratory testing programs, foundation analyses & design, and geotechnical reports, which included 100% PDA testing of 650 piles, Statnamic load testing, foundation certification packages and vibration monitoring, MSE walls and roadway construction. Client: FDOT (c/o: Stantec; Luis Lazo, PE; Phone: 305.445.2900.) Year: 2016-2019.

FM No. 230368-1-52-01: SR 5/US 1 Reconstruction Design-Build, From North of SR 713/Kings Highway to South of Oslo Road/CR 606, St. Lucie & Indian River Counties, FDOT District 4, Length = 2 miles. Project Engineer providing assistance with geotechnical engineering reports, foundation certification packages for two (2) bridges, inspecting auger cast piles for noise barrier walls and drilled shafts for sign and mast arm structures. Performing pile driving inspections for 2 bridges and PDA testing. Performed vibration monitoring, and CSL testing on drilled shafts. Client: FDOT (c/o OHL; Mr. Brian Beetle; Phone: 772.316-1760.) Year: 2012 – 2015.

FM No.: 422713-2-22-01, PD & E and Final Design of Venetian Causeway from N. Bayshore Drive to Purdy Avenue, Miami Beach, FL, FDOT District 6, Length = 2.5 miles. Mr. Gonzalez serves as Project Geotechnical Engineer planning & executing field exploration and laboratory testing, interpreting results, performing analyses to examine the potential replacement/rehabilitation of 12 bridges including 10 fixed span bridges and 2 bascule leaf span bridges over the Intracoastal Waterway. Performed Parallel Seismic testing to evaluate integrity and capacity of existing piles. Prepared geotechnical reports; FDOT, PM: Dat Huynh, PE; Phone # 305-470-5217; Year: 2014-2015.

FM No.: 251688-1-32-01, PD&E, RFP Criteria Package and Owner's Representative for I-395/SR-836/I-95 Interchange Improvements, Miami, FL, FDOT District 6, Length = 2.5 miles. Mr. Gonzalez serves as Project Geotechnical Engineer responsible for planning and executing the field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements including several bridges, approach embankments, MSE walls, and signalization improvements. Client: FDOT. PM: Auraliz Benitez, P.E.; Phone # (305) 470-5471 Year: 2013-on-going.



Adnan Ismail, P.E.
Senior Geotechnical Engineer
5795-A NW 151st St.; Miami Lakes, FL
Phone: 305. 828-4367; Fax: 305. 828-4235

Availability = 70%

PROFESSIONAL REGISTRATION:

Florida P.E. # 76014

EDUCATION:

2003 to 2006: Bachelor of Science in Civil Engineering, Florida International University, Miami, FL

2012 to 2013: Master of Science in Civil Engineering, Florida International University, Miami, FL

RECENT EXPERIENCE:

Mr. Ismail has **18 years of experience** and has worked on numerous medium to large size geotechnical engineering projects for the public and private sectors. Mr. Ismail’s experience includes planning of subsurface explorations and laboratory testing, data interpretation analysis and design of foundation elements of numerous projects, such as roadways, airport and railroad facilities. Mr. Ismail has served as project geotechnical engineer for numerous FDOT projects in Districts 1, 4, 6, 7 and Turnpike. His most recent FDOT projects are listed below.

SUMMARY OF CAPABILITIES

Soils Survey	Geotech. Studies	Laboratory Testing	Structures Foundation Analysis & Design	Pile Driving Computer Model.	PDCA’s PDA Certification	PDA, CSL, PIT, & Vibration Monitor.	CTQP Certifications
✓	✓	✓	✓	✓	✓ (Advanced)	✓	✓ (Piles&Shafts)

EMPLOYMENT HISTORY

March 2005 to Present, Staff to Project Geotechnical Engineer, Geosol, Inc., Miami Lakes, FL

PROJECT EXPERIENCE

FM No. 250730-2-32-01, Districtwide Geotechnical & Materials Testing Contract, From Monroe to Miami-Dade Counties, FDOT District 6, Geotechnical Engineer assisting on over 200 work orders for projects located in FDOT Districts 4 and 6 during PD&E, final design and construction phases along 300 miles. Includes field exploration, laboratory testing, geotechnical analyses for roadways as well as preparation of geotechnical reports. **Recent performance grade was 4.8.** Client: FDOT, PM: Adrian Viala, PE; Phone # (954) 677-7011. Year: 2012 – 2016.

FM No.: 250730-2-32-01, Districtwide Geotechnical & Materials Testing Contracts, From Monroe to Miami-Dade Counties, FDOT D6. Geotechnical Engineer assisting on over 120 work orders for projects during PD&E, final design and construction phases. **Recent performance grade was 4.8.** Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: 2012-2016.

Golden Glades Multimodal Transportation Facility, Parking Garage and Pedestrian Bridge Connecting to Parking Garage, Miami, FL, Design-Build, FDOT D6. Geotechnical Engineer assisting with field explorations, lab testing, foundation analysis, design, inspections and foundation certifications. Client: APCTE, Inc. PM: Carlos Gil-Mera, PE. Phone: 305. 592-7283. Year: 2018-2020.

Hard Rock Stadium Pedestrian Bridges and Tunnels, Design-Build, FDOT D6. Geotechnical Engineer assisting with field explorations, lab testing, foundation analysis, design. Prepared the geotechnical reports, provided inspections, and foundation certifications for 2 bridges and associated MSE Walls. Client: Bentley Engineers & Architects, Inc. Phone: (407) 331-6116. Year: 2016-2019.

FM No.: 422713-2-22-01, Venetian Causeway from N. Bayshore Drive to Purdy Avenue, Miami Beach PD & E, Miami, FL, Length = 2.5 miles. Project Geotechnical Engineer assisting on planning & executing field exploration and laboratory testing, interpreting results, performing analyses to examine replacement of 11 bridges including 9 fixed span bridges and 2 bascule leaf span bridges over the Intracoastal Waterway. Performed Parallel Seismic testing to evaluate integrity of existing piles and resulting capacity evaluations. Assisted in preparation of geotechnical reports; FDOT, PM: Mr. Dat Huynh, PE; Phone # 305-470-5217; Year: 2014-on-going.

FM No.: 405665-1-52-01, NW 25th Street West Viaduct over SR 826, from NW 82nd Avenue to East of SR 826, Miami-Dade County, FDOT District 6, Length = 1.5 miles. Geotechnical Engineer providing assistance with foundation certification packages for two (2) bridges, performed pile driving inspections, foundation certification packages for 2 bridges and sinkhole study during drilled shaft installation ground subsidence. FDOT, PM: Mr. Jason Chang, P.E. PE; Phone # (305) 470-5331; Year: 2013-2015.

FM No.: 249035-1-52-01, SR 826 Section 2 Design-Build, from Sunset Drive to Bird Road, Miami, FL FDOT District 6, Length = 2.5 miles, Project Geotechnical Engineer assisting in planning and executing the field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design of 8 bridges, approach embankments, MSE walls, noise walls and sign structures, 100% PDA testing, providing driving criteria, foundation certification packages, performed vibration monitoring and CSL testing. Client: FDOT. PM: Jason Chang, PE; Phone # (305) 470-5331; Year: 2011-2012.

FM No.: 428358-5-52-01, SR 9A (I-95) NB Widening from North of Biscayne Canal (MP 12.492) to SR 860/Miami Gardens Drive (MP 14.685), Miami, FDOT D6, Length = 2.2 miles. Geotechnical Engineer providing assistance with planning and execution of field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements. Scope included roadway soil survey, borehole exfiltration testing for use in drainage evaluations and design, MR testing, sign structures, noise walls and high mast lighting. Geosol TWO No. 27. Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: Jul. 2017 to May 2018.

FM No.: 437053-4-52-01, SR 9A/I-95 NB Widening, from NW 146th Street to Golden Glades Interchange and Turnpike Connector, Miami, FDOT D6, Length = 2.2 miles. Geotechnical Engineer providing assistance with planning and execution of field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements. Geotechnical scope included roadway soil survey, borehole exfiltration testing for use in drainage evaluations and design, and obtaining “bulk” soil samples for performance of Resilient Modulus (MR) testing, sign structures, noise walls and high mast lighting. Client: RS&H, PM: Jaime Lopez, PE. Phone #: 305-428-3200. Year: Dec. 2018 On-going.

FM No.: 425216-2-52-01, SR 9 / I-95 Ramps Roadway Improvements at Miami Gardens Drive Interchange, (MP 14.685), Miami, FDOT D6, Length = 1.0 mile. Geotechnical Engineer providing assistance with planning and execution of field exploration & laboratory testing, interpreting the test results, performing foundation analyses and design for roadway improvements. Geotechnical scope included collection of pavement cores for evaluation of milling and resurfacing improvements, performing borehole exfiltration testing for use in drainage evaluations and design, and MR testing. Geosol TWO No. 81. Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: 2017 to 2018.

FM No.: 251688-1-32-01, I-395/SR-836/I-95 Interchange Improvements, Miami, FL, FDOT D6, Length = 2.5 miles. Project Geotechnical Engineer assisting on planning and executing the field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements including several bridges, approach embankments, MSE walls, and signalization improvements. Client: FDOT. PM: Auraliz Benitez, P.E.; Phone # (305) 470-5471 Year: 2011-2013.

FM No. 433381-1-32-01: SR 5/Overseas Highway, 7-Mile Bridge # 900101 Over Mosser Channel Marathon, FL, FDOT District 6, Length = 7 miles - Project Geotechnical Engineer assisting on planning and executing the over the ocean field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for temporary platforms for use during bridge rehabilitation. Client: FDOT (c/o AECOM., Mr. Luis Vargas, P.E., Phone # 305. 262.7466.) Year: 2015-2017.

MDX Project 11211.030, Central Boulevard Widening, Realignment and Service Loop Reconstruction, Miami, FL (FM #'s: 249035-1-52-01), FDOT District 6 - Geotechnical Engineer assisting in planning and execution of the field exploration and laboratory testing programs, performing foundation analyses and design for 1 mile of roadway improvements including 8 bridges, embankments, MSE walls, and sign structures. Performed pile driving inspections for 8 bridges and 100% PDA testing of piles. Provided assistance with foundation certification packages for 8 bridges, and signalization drilled shafts. Performed 100% CSL testing on 80 drilled shafts for miscellaneous structures and performed vibration monitoring during pile driving & sheet pile installation. Client: MDX (c/o OHL Ms. Tina Pereira; Phone: 305-884-9355) Year: 2012- 2016.



ORACIO RICCOBONO, P.E.
Chief Geotechnical Engineer
 5795-A NW 151st St. Miami Lakes, FL
Phone: 305. 828.4367; Fax: 305. 828.4235

PROFESSIONAL REGISTRATION:

Availability: 70%

Florida P.E. No.: 49324

EDUCATION:

1999 to 2000: Master in Business Administration, Florida International University
 1985 to 1987: Master of Science in Civil Engineering, Geotechnical Specialization, Louisiana State University
 1982 to 1985: Bachelor of Science in Civil Engineering, Louisiana State University

RECENT EXPERIENCE:

Mr. Riccobono has over **38 years of experience** in geotechnical engineering for numerous transportation projects including roadways, highways, railroads, marine, underground, and airport facilities. Experience includes interpretation of subsurface conditions, planning and execution of laboratory testing programs, geotechnical analysis and design of foundation elements of structures, management of geotechnical projects and preparation of numerous geotechnical reports providing conclusions and recommendations for numerous FDOT projects for Districts 1, 4, 5, 6, 7 and Turnpike as well as MDX as listed below.

EMPLOYMENT HISTORY

- January 1986 to December 1987, Research Engineer Assistant, Louisiana Transportation Research Center
- January 1988 to March 1989, Staff Geotechnical Engineer, Converse Consultant East, Caldwell NJ
- March 1989 to August 1993, Project Geotechnical Engineer, Parsons Brinckerhoff Quade & Douglas, NY
- August 1993 to January 1994, Project Geotechnical Engineer, Law Engineering, Inc., Miami, FL
- January 1994 to January 1996, Geotechnical Engineer, Florida Testing & Engineering, Ft. Lauderdale, FL
- January 1996 to February 1998, Project to Senior Geotechnical Engineer, PSI, Inc., Miami, FL
- February 1998 to August 2000, Regional Geotechnical Engineer and Department Manager, PSI, Miami, FL
- August 2000 to Present, Senior Geotechnical Engineer and President, Geosol, Inc., Miami, FL

SUMMARY OF CAPABILITIES

Soils Survey	Geotechnical Studies	Laboratory Testing	Structures Foundation Analysis & Design	Pile Driving Computer Modeling	PDCA's PDA Certification	PDA, CSL, PIT, & Vibration Monitor.
✓	✓	✓	✓	✓	✓ (Advanced)	✓

PROJECT EXPERIENCE

Geosol, Inc., (2000-present)

FM No.: 250730-2-32-01, Districtwide Geotechnical & Materials Testing Contracts, From Monroe to Miami-Dade Counties, FDOT D6. Senior Geotechnical Engineer responsible for executing over 72 work orders for projects during PD&E, final design and construction phases. **Recent performance grade was 4.8.** Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: 2016-On-going.

FM No.: 250730-2-32-01, Districtwide Geotechnical & Materials Testing Contracts, From Monroe to Miami-Dade Counties, FDOT D6. Senior Geotechnical Engineer responsible for executing over 120 work orders for projects during PD&E, final design and construction phases. **Recent performance grade was 4.8.** Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: 2012-2016.

Golden Glades Multimodal Transportation Facility, Parking Garage and Pedestrian Bridge Connecting to Parking Garage, Miami, FL, Design-Build, FDOT D6. Geotechnical Engineer of Record responsible for field explorations, lab testing, foundation analysis, design, inspections and foundation certifications. Client: APCTE, Inc. PM: Carlos Gil-Mera, PE. Phone: 305. 592-7283. Year: 2018-2020.

FM No.: 422713-2-22-01, Venetian Causeway from N. Bayshore Drive to Purdy Avenue, Miami Beach PD & E and Final Design, Miami, FL, Length = 2.5 miles. Geotechnical Engineer planning & executing field exploration and laboratory testing, interpreting results, performing analyses to examine replacement of 11 bridges including 9 fixed span bridges and 2 bascule leaf span bridges over the Intracoastal Waterway. **Performed Parallel Seismic testing to evaluate integrity of existing piles** and resulting pile capacities. Prepared geotechnical reports; FDOT, PM: Dat Huynh, PE; Phone:305.470.5217; Year: 2014-on-going.

Hard Rock Stadium Pedestrian Bridges and Tunnels, Design-Build, FDOT D6. Geotechnical Engineer of Record responsible for field explorations, lab testing, foundation analysis, design. Prepared the geotechnical reports, provided inspections, and foundation certifications for 2 bridges and associated MSE Walls. Client: Bentley Engineers & Architects, Inc. Phone: (407) 331-6116. Year: 2016-2019.

FM No.: 428358-5-52-01, SR 9A (I-95) NB Widening from North of Biscayne Canal (MP 12.492) to SR 860/Miami Gardens Drive (MP 14.685), Miami, FDOT D6, Length = 2.2 miles. Senior Geotechnical Engineer responsible for planning and executing the field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements. Geotechnical scope included roadway soil survey, borehole exfiltration testing for use in drainage evaluations and design, MR testing, sign structures, noise walls and high mast lighting. Geosol TWO No. 27. Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: Jul. 2017 to May 2018.

FM No.: 437053-4-52-01, SR 9A/I-95 NB Widening, from NW 146th Street to Golden Glades Interchange and Turnpike Connector, Miami, FDOT D6, Length = 2.2 miles. Senior Geotechnical Engineer responsible for planning and executing the field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements. Geotechnical scope included roadway soil survey, borehole exfiltration testing for use in drainage evaluations and design, and obtaining “bulk” soil samples for performance of Resilient Modulus (MR) testing, sign structures, noise walls and high mast lighting. Client: RS&H, PM: Jaime Lopez, PE. Phone #: 305-428-3200. Year: Dec. 2018 On-going.

FM No.: 425216-2-52-01, SR 9 / I-95 Ramps Roadway Improvements at Miami Gardens Drive Interchange, (MP 14.685), Miami, FDOT D6, Length = 1.0 mile. Senior Geotechnical Engineer responsible for planning and executing the field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements. Geotechnical scope included collection of pavement cores for evaluation of milling and resurfacing improvements, performing borehole exfiltration testing for use in drainage evaluations and design, and MR testing. Geosol TWO No. 81. Client: FDOT, PM: Adrian Viala, PE; Phone #: 954.677.7011. Year: 2017 to 2018.

FM No.: 434922-1-52-01: SR 90/Tamiami Trail, Design-Build, 2.6-Mile Bridging, Miami, FL. Geotechnical Engineer of Record for design & construction responsible for field exploration & laboratory testing programs, foundation analyses & design, and geotechnical reports, which included 100% PDA testing of 650 piles, Statnamic load testing, foundation certification packages and vibration monitoring, MSE walls and roadway construction. Client: FDOT (c/o: Stantec; Luis Lazo, PE; Phone: 305.445.2900.) Year: 2016-2019.

FM No.: 249035-1-52-01, SR 826 Section 2 Design-Build, from Sunset Drive to Bird Road, Miami, FL FDOT District 6, Length = 2.5 miles - Senior Geotechnical Engineer of Record responsible for planning and executing field exploration and laboratory testing programs, performing foundation analyses & design of roadways, including 8 bridges, MSE walls, and noise walls. Provided **PDA testing and foundation certification packages**. Client: FDOT, PM: Mr. Jason Chang, P.E.; Phone # (305) 470-5331; Year: 2009-2013.

FM No.: 405665-1-52-01, NW 25th Street W. Viaduct over SR 826, from NW 82nd Avenue to East of SR 826, FDOT District 6, Miami, FL, Length = 1.5 miles. Senior Geotechnical Engineer of Record for foundation re-design & construction phases, responsible for foundation analyses, design and geotechnical reports, planning and executing the test pile program of driven concrete piles with **100% PDA testing**, providing **foundation certification packages** and **sinkhole study during drilled shaft installation ground subsidence**. Client: FDOT, PM: Mr. Jason Chang, P.E. PE; Phone # (305) 470-5331; Year: 2013-2015.

FM No.: 251688-1-32-01, I-395/SR-836/I-95 Interchange Improvements, Miami, FL, FDOT D6, Length = 2.5 miles. Senior Geotechnical Engineer responsible for planning and executing the field exploration and laboratory testing programs, interpreting the test results, performing foundation analyses and design for roadway improvements including several bridges, approach embankments, MSE walls, and signalization improvements. Client: FDOT. PM: Auraliz Benitez, P.E.; Phone # (305) 470-5471; Year: 2013-On-Going.



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 Longitude 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.

Citiwide Surveying and Mapping Services, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors scope of services under this contract includes surveying and mapping services for the Public Works Department and Capital Improvement Program projects.

Venetian Causeway Water and Sewer Main Upgrades, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude provided boundary analysis and right-of-way computations based on field evidence, plats, deeds, and other project documentation. All lot and ownership lines within the survey limits were shown graphically. Longitude established horizontal and vertical control, located significant above-ground improvements, and developed a Digital Terrain Model (DTM). Existing drainage and sanitary structures were surveyed to record rim and invert elevations, pipe size, material, and flow direction. Longitude also documented the dimensions and interior piping of the on-site water meter and performed Quality Level B SUE Designation services in accordance with ASCE standards using electromagnetic locating and ground-penetrating radar (GPR).

Collins Avenue 8” DIP WM Replacement, Town of Surfside, Surfside, FL

Longitude established horizontal and vertical control along Bay Drive for 4,773 feet (0.81 miles) and extended secondary control for an additional 1,100 feet on side streets. Horizontal control was set at 1,000–1,400-foot intervals, and benchmarks every 600–800 feet. Longitude performed a right-of-way and topographic survey following MD-WASD standards from right-of-way to right-of-way plus five feet beyond, including 50 feet on intersecting side streets. Property lines were graphically drawn based on found corners and plats to accurately represent boundaries. Longitude also provided Quality Level B SUE services and completed Quality Level A soft digs at ten utility impact sites. Survey limits covered Bay Drive from 90th Street to 92nd Street, east on 92nd to Bay Drive, and north to 96th Street.

Indian Creek Drive & 69 Street Pump Station, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude performed a boundary analysis and right-of-way review using field evidence, plats, deeds, and related documentation. We identified easements, dedications, and restrictions found in public records and located all significant aboveground improvements, including pavement, sidewalks, landscaping,





utilities, and site furnishings within the survey limits. Longitude also surveyed the pump station, recording driveways, bollards, stairs, electrical components, and hatches, along with top of slab, rim, and invert elevations. Elevations were collected on a 25-foot grid, including road crowns, pavement edges, sidewalks, and curbs. Existing drainage and sanitary structures were documented with rim and invert elevations, pipe size, material, direction, and flow.

Alton Road, from 10 Street to 3 Street, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors located all manholes and collected rim elevation, bottom elevation, pipe invert, and pipe diameter on Alton Road, from 10th Street to 3rd Street. Vertical control was established from two separate benchmarks and a three-wire bench run.

West Avenue Parking & Pump Station Lot, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude performed a boundary and topographic survey, collecting all rights-of-way, property, and side lot lines, shown graphically with adjacent properties. We located all significant aboveground improvements, including sidewalks, curbs, pavement, trees, utilities, fences, signs, light poles, and hydrants. Elevations were obtained on a 25-foot grid, and rim, bottom, and invert elevations were recorded for all drainage and sanitary structures, including pipe diameters and materials. Longitude also established control points and temporary benchmarks.

Pennsylvania Avenue, from 15th Street to Espanola Way, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude prepared a topographic and tree survey along Pennsylvania Avenue from 15th Street to Española Way, extending 50 feet in all directions at intersections. Vertical control was established from two benchmarks using a three-wire bench run, and horizontal control followed Florida State Plane NAD83/11 with vertical datum NAVD88. The survey included a right-of-way analysis and located all significant aboveground improvements such as landscaping, curbs, sidewalks, pavement, utilities, buildings, and fences. Elevations were collected on a 100-foot grid, including road crowns, sidewalks, pavement edges, and curbs. All trees and palms with a diameter of 3 inches or greater at breast height or 12 feet or taller were identified by common name.

Design-Build Services for West Avenue Improvements Phase II North of 14th Street Infrastructure Project, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors prepared topographic survey with elevations every 100 feet; right-of-way analysis; collected drainage and sanitary invert information; collected trees, palms, concrete slabs, sidewalks, signs, fire hydrants, above-ground utilities, poles, catch basins, manholes, overhead lines, etc.

Alton Road – Lincoln Road Bicycle Corral, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude performed a topographic survey that included establishing boundaries, right-of-way limits, and easements for the subject property, ensuring all easements were shown. We obtained a title search from an abstract company and collected all visible aboveground improvements such as pavement, sidewalks, curbs, buildings, utilities, signs, light poles, trees, and striping. All trees with a diameter of 3 inches or greater at breast height were documented. Longitude also collected elevations on a 25-foot grid and provided the client with a DTM file.

South Shore Drive Pump Station 22 Discharge Force Main Replacement, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude performed a 3D laser scan of the interior and exterior of the valve vault at the South Shore Drive Pump Station using a Leica RTC360. Horizontal and vertical control were re-established, and target points were set throughout the vault. The survey was geo-referenced to the Florida State Plane Coordinate System (NAD83/11) with assumed elevations. The work covered the valve vault and force main connection near Hagen Street, Miami Beach (Folio No. 02-3203-000-0040).



INDUSTRY TENURE

45 years

LONGITUDE TENURE

12 years

EDUCATION

AA, Miami Dade College
(1994)

REGISTRATIONS

Professional Surveyor
and Mapper
FL License No. LS4693

John H. Adler, III, PSM is a highly skilled Surveyor with a specialized focus on Subsurface Utility Engineering (SUE) techniques, offering 45 years of expertise in the field. As a dedicated professional, he has demonstrated a proven track record in leading surveying projects, specializing in the accurate identification, mapping, and assessment of subsurface utilities. With an in-depth understanding of geospatial technologies and industry best practices. John a keen eye for detail and a meticulous approach to data analysis, ensuring the precise documentation of subsurface utilities. By leveraging his knowledge of SUE standards, he has consistently delivered high-quality, reliable, and safe surveying solutions to a diverse range of clients. As a dedicated Senior Surveyor, he is committed to delivering innovative solutions and contributing significantly to the success of any project he undertakes.

Citiwide Surveying and Mapping Services, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors (LS) scope of services under this contract includes surveying and mapping services for the Public Works Department and Capital Improvement Program projects.

Venetian Causeway Water and Sewer Main Upgrades, City of Miami Beach, Miami Beach, FL

Longitude performed a boundary analysis and right-of-way review using field evidence, plats, deeds, and related documentation. We established horizontal and vertical control, located all significant aboveground improvements, and developed a Digital Terrain Model (DTM). Drainage and sanitary structures were surveyed to record rim, bottom, and invert elevations, as well as pipe size, material, and flow direction. Longitude also documented the on-site water meter and performed Quality Level B SUE Designation services per ASCE standards using electromagnetic locating and ground-penetrating radar (GPR).

Collins Avenue 8” DIP WM Replacement, Town of Surfside, Surfside, FL

Longitude established horizontal and vertical control along Bay Drive for 4,773 feet (0.81 miles) and extended secondary control for an additional 1,100 feet on side streets. Horizontal control was set at 1,000–1,400-foot intervals and benchmarks every 600–800 feet. Longitude performed a right-of-way and topographic survey per MD-WASD standards, extending five feet beyond the right-of-way and 50 feet along intersecting side streets. Property lines were graphically drawn based on found corners and plats. Longitude also provided Quality Level B SUE services and completed Quality Level A soft digs at ten utility impact sites. Survey limits covered Bay Drive from 90th Street to 96th Street, including 92nd Street east to Bay Drive.

Cutler Bay D3 Drainage Improvements, Cutler Bay Montego Bay Drive and Along Blue Water Road, Town of Cutler Bay, Cutler Bay, FL

Longitude Surveyors performed and provided a Boundary and Topographic Survey. Longitude also provided Subsurface Utility Engineering (SUE) services Quality Level “A” and Quality Level “B” Designation and Soft-Dig services for twenty-five (25) vacuum test holes along Montego Bay Drive, Nicaragua Drive, Pan American Drive, and Anchor Road, in Cutler Bay, FL.





Resurfacing Restoration and Rehabilitation (RRR) of the SR 7 / US 441 / NW 8th Avenue / NW 7th Avenue from North of NW 3rd Street Exception at Miami River Bridge, FDOT District 6, Miami, FL

Longitude Surveyors is providing Subsurface Utility Engineering (SUE) services on this contract.

SR 29 FROM N. OF WAGON WHEEL RD TO S OF I-75, FDOT District 1, Collier County, FL

Longitude is performing various surveying services for FDOT District 1 including Topographic, Boundary, Bathymetric surveys and Subsurface Utility Engineering (SUE).

36" Inch WM along NE 135th Street from NW 7th Avenue to NE 16th Avenue, Miami-Dade Water and Sewer Department County, Miami, FL

Longitude performed sufficient field checks of the survey and updated it to MD-WASD topographic survey standards in both the field and CADD. The digital information provided by the client was converted to follow the standards and was checked on-site. The process included GPS measurements to verify the horizontal control (PNC), a bench run to establish the datum conversion, random cross-section checks to verify elevations, structure rim elevations, and inverts, and collected occupation points to verify rights of way. The full route survey included all intersections. The survey at the intersections extended 50 feet beyond the points of curvature (the point at which right-of-way lines intersect). Boundary information was included in the right-of-way lines, subdivision lines, section lines, lot lines, baselines, and easement lines as required by the project. LS gathered boundary line data from the right-of-way maps, MD-WASD, and utility easement records. LS depicted and labeled boundary data on the plans for informational purposes only. Longitude prepared and performed Subsurface Utility Engineering (SUE) and 18 soft digs for the following address: NE 135th Street from NW 7th Avenue to NE 16th Avenue. Approximately 14,900 linear feet.

Design Build 36" Inch FM-NW 107th Ave. from NW 7th St. to NW 25th St., Miami-Dade Water and Sewer Department, Miami, FL

Longitude Surveyors, LLC performed a site and route survey originating from the route survey conducted by Miller Legg. LS verified the survey data for the "Design Criteria for installation of 36-inch D.I. Force Main in the NW 107th Avenue from NW 7th Street to NW 25th Street. Longitude also performed Sub-Surface Utility Engineering Services (SUE). We provided twenty (20) soft digs to Quality Level "A" positions determined by the client.

Design Build NE 2nd Avenue from 69th Street to NE 84th Street, Miami-Dade Department of Transportation and Public Works, Miami, FL

Longitude Surveyors provided SUE service to Quality level "A," according to the American Society of Civil Engineers (ASCE), at specific locations shown on roadway plans provided by HBC Engineering. At each location, the specific line depicted on the plans was designated from surrounding appurtenances and then vacuumed and excavated to obtain the top pipe's exact horizontal and vertical position. Longitude provided the "Field Excavation Reports"; revised digital roadway construction plans accompanied by a signed and sealed hardcopy PDF of the roadway plans certifying the horizontal and vertical coordinates for the utility being as-built.

Curtis Park, City of Miami, Miami, FL

This project was part of the City of Miami Program Management Contract for various park locations: Longitude Surveyors (LS) performed Subsurface Utility Engineering (SUE) services to include the following information; LS conducted a record search and reviewed any information the client provided before performing Ground Penetrating Radar (GPR) and Electromagnetic locating. LS performed Subsurface Utility Engineering (SUE) by utilizing Ground Penetrating Radar (GPR) and an Electromagnetic locator. LS collected all the markings and incorporated them into the survey map. Survey limits: Subsurface Utility Engineering (SUE) for approximately 25 acres within the property known as "Curtis Park"



INDUSTRY TENURE

35 years

LONGITUDE TENURE

7 years

EDUCATION

BS, Surveying & Mapping
University of Florida
(1990)

Post Baccalaureate Study
(1992)

REGISTRATIONS

Professional Surveyor
and Mapper
FL License No. LS6277

AFFILIATIONS

Florida Surveying and
Mapping Society
Member

Darryl J. Hauser, PSM is a results-driven Surveying QA/QC Manager with 35 years of experience in ensuring the highest standards of quality and accuracy in surveying projects. With a keen eye for detail and a passion for precision, he oversees the entire quality assurance and quality control process, ensuring that all surveying activities are conducted with utmost precision and adherence to industry regulations. Darryl has expertise in project management, construction administration, and quality assurance/quality control as well as Florida Department of Transportation procedures.

Citiwide Surveying and Mapping Services, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors (LS) scope of services under this contract includes surveying and mapping services for the Public Works Department and Capital Improvement Program projects.

Venetian Causeway Water and Sewer Main Upgrades, City of Miami Beach, Miami Beach, FL

Longitude performed a boundary analysis and right-of-way review using field evidence, plats, and deeds. We established horizontal and vertical control, located significant aboveground improvements, and produced a Digital Terrain Model (DTM). Drainage and sanitary structures were surveyed for elevations, pipe size, material, and flow direction. Longitude also documented on-site water meter details and performed Quality Level B SUE Designation using electromagnetic locating and ground-penetrating radar (GPR).

41 Street Corridor Revitalization City of Miami Beach, Miami Beach, FL

Longitude provided topographic, tree, and subsurface utility surveying services. We performed a right-of-way analysis, graphically showing lot and ownership lines per recorded plats and field evidence. Elevations were collected on a 50-foot grid, including road crowns, sidewalks, and curbs, along with drainage and sanitary structure details such as rim elevations, pipe size, material, and inverts. Longitude located all trees and palms over 3 inches in diameter or 12 feet in height, documenting species, size, height, and canopy in a tree table. Two temporary benchmarks were established from certified control points. We also performed SUE Quality Level B designation and Quality Level A soft digs at 12 locations using electromagnetic locating and ground-penetrating radar (GPR), documenting each utility's position, elevation, material, and type.

Pump Station No. 22 Discharge Force Main Replacement (South Shore Drive 12" FM Replacement), City of Miami Beach, Miami Beach, FL

Longitude performed a topographic survey identifying adjacent house and folio numbers, pavement striping, driveway materials, and sign types. We collected elevations every 50 feet at key points such as the road crown, pavement edge, sidewalks, curbs, and driveway entrances, with additional shots taken where grade changes occurred. Where accessible, single elevation shots were obtained along rear fence lines and up to 50 feet into the adjacent golf course. Longitude also performed SUE investigations at 20 client-designated soft-dig locations, extending data collection 5–10 feet beyond the right-of-way where possible.





Fire Station No. 1, 1045 Jefferson Ave, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors conducted a comprehensive boundary analysis to identify rights-of-way by evaluating field evidence, plats, deeds, and other relevant documentation. All lot and ownership lines within the survey limits were graphically depicted to provide a clear representation of property boundaries. Horizontal and vertical control was established, significant above-ground improvements were collected, and spot elevations were obtained for key features including the crown of the road, back of the sidewalk, top of curb, and edge of pavement. Encroachments and easements from abutting streets were also identified and shown on the survey. In addition, Longitude Surveyors performed Quality Level "B" Subsurface Utility Engineering (SUE) Designation services in accordance with ASCE standards, using Electromagnetic Locators and Ground Penetrating Radar (GPR) to accurately locate and document underground utility lines. To support project requirements, the team prepared a Sketch and Legal Description of the entire property, along with a separate Sketch and Legal Description for a Non-Exclusive Utility Easement.

West Avenue Parking & Pump Station Lot, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude performed a boundary and topographic survey, collecting all rights-of-way, property lines, and adjacent lots shown graphically. We located all significant aboveground improvements, including sidewalks, curbs, pavement, trees, utilities, and site features. Elevations were taken on a 25-foot grid, with rim, bottom, and invert elevations recorded for all drainage and sanitary structures. Longitude also determined pipe sizes and materials and established control points and temporary benchmarks.

Design-Build Services for West Avenue Improvements Phase II North of 14th Street Infrastructure Project, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors prepared topographic survey with elevations every 100 feet; right-of-way analysis; collected drainage and sanitary invert information; collected trees, palms, concrete slabs, sidewalks, signs, fire hydrants, above-ground utilities, poles, catch basins, manholes, overhead lines, etc.

Alton Road – Lincoln Road Bicycle Corral, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors (LS) performed a topographic survey to include the following: LS established the boundary, rights-of-way limits, and easements for the subject property. We were ensured to show all easements. LS ordered a title search from an Abstract Company. LS collected all above-ground improvements within the survey limits such as, but not limited to: paved roads, sidewalks, curb and gutter, building facades, signs, light poles, all visible above-ground utilities, trees/palms, striping, etc. LS collected all trees having a 3-inch diameter at breast height or higher. LS also collected elevations equivalent to a 25-foot grid within Survey limits and provided the client with a tin file (DTM).

Districtwide Miscellaneous Location Survey Consultant (BDI), FM: 250686-3-32-02 / Contract No. CAE28, Miami Beach, FL

Longitude Surveyors serves as the prime consultant on this contract with the Florida Department of Transportation (FDOT) District 6, providing comprehensive professional surveying and mapping services in support of various topographic and mapping projects. Services include establishing project control networks, preparing right-of-way control survey maps, acquisition maps, and maintenance maps, as well as performing retracements, boundary surveys, parcel sketches, legal descriptions, and title analysis. Longitude Surveyors also conducts design-level surveys, specific purpose surveys, and acquisition parcel stakeouts to support ongoing design, right-of-way, and construction activities.



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, he has worked with well-known firms on a variety of projects, steadily growing his expertise. In 2018, Greg became a licensed surveyor in Florida, marking a key milestone in his career. In 2024, he joined the Longitude Surveyors team, where he leads our Broward Office and continues to contribute to the industry while excelling in his profession.

Citiwide Surveying and Mapping Services, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors (LS) scope of services under this contract includes surveying and mapping services for the Public Works Department and Capital Improvement Program projects.

Seawall Replacement at Rue Notre Dame, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude established horizontal and vertical control, including two temporary benchmarks outside the future seawall construction area, using NAD83/2011 for horizontal and NAVD88 for vertical datums. We performed a 3D topographic survey at the north end of Rue Notre Dame for seawall replacement, collecting planimetric and elevation data on a 25-foot grid, extending 40 feet south into the cul-de-sac and 5 feet beyond both rights-of-way. Trees were located and measured by diameter only, with water-side data provided by Terraquatic Inc. Longitude also completed Quality Level B SUE services within the survey limits, using GPR and electric induction to locate utilities where possible.

South Shore Drive Pump Station 22 Discharge Force Main Replacement, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors performed a 3D laser scan using a state-of-the-art Leica RTC360 3D Laser Scanner of the outer area and the interior of the valve vault located at the South Shore Drive Pump Station. The specific details to be collected from the pump station valve vault were determined by the client at the time of the Notice to Proceed (NTP). Horizontal and vertical control were re-established within the survey limits, including the establishment of target points throughout the valve vault. The survey was geo-referenced to the Florida State Plane Coordinate System based on the North American Datum of 1983/2011 (NAD83/11). Elevations shown were assumed and not referenced to any vertical datum. The site included electricity and was clear of debris for field visits, with ample lighting provided for these visits. The survey limits encompassed the valve vault and force main connection at the South Shore Drive Pump Station, adjacent to Hagen Street, Miami Beach, FL 33141, within the Miami-Dade County Folio Number 02-3203-000-0040.



Indian Creek Drive & 69 Street Pump Station, City of Miami Beach, Miami Beach, FL

Longitude Surveyors (LS) conducted a thorough boundary analysis for the project, assessing rights-of-way by evaluating field evidence, plats, deeds, and other relevant documentation. LS identified and depicted any easements, dedications, covenants, and restrictions found in public records pertaining to the project. Within the survey limits, LS located all significant above-ground improvements, including the pump station, driveway locations, bollards, stair locations, electrical components, and hatch locations. Elevation data was meticulously collected, including top-of-slab, rim, and invert elevations. A 25-foot grid was used to capture elevations across the survey area, ensuring coverage of key features such as the crown of the road, edge of the pavement, back of the sidewalk, and top of the curb. Additionally, LS gathered detailed information on existing drainage and sanitary structures, including rim and bottom structure elevations, pipe sizes, materials, directions, diameters, water flow direction, and invert elevations.

Water Main Replacement along Holiday DR, City of Hallandale Beach, Hallandale Beach, FL

Longitude Surveyors provided topographic, bathymetric, and Subsurface Utility Engineering (SUE) services. The scope of work included ordering title searches for parcels to obtain legal descriptions and parcel details, delineating city and county boundaries, and creating a graphical baseline. LS collected data on pavement striping, driveway materials, signs, water meters, and cleanouts, as well as gathered elevations every 25 feet, including road crowns, edges, and other key features. The survey extended 10 feet beyond the right-of-way wherever possible and included a Digital Terrain Model (DTM) along with drainage and sanitary inverts. Surface water and sediment elevations were measured, and efforts were made to estimate the Intracoastal bottom elevation. SUE designation was performed at 20 locations, and LS prepared a Sketch and Legal Description (S&L) for a proposed state land easement related to the subaqueous water main.

Prospect Road Right-of-Way, City of Oakland Park, Oakland Park, FL

Longitude Surveyors conducted a topographic survey in the area between Primrose Place and NW 21st Avenue, within the right-of-way of Prospect Road, City of Oakland Park, Broward County, Florida. The scope of work involved graphically depicting nearby features within the Broward County right-of-way of Prospect Road, extending from the sidewalk to the approximate centerline. The survey limits spanned approximately thirty feet (30') north and south of the proposed sign location, stretching from the approximate centerline of Prospect Road to the south side of an existing sidewalk, as shown in Exhibit B. Horizontal and vertical control were established for performing the survey, and the survey was georeferenced to the Florida State Plane Coordinate System based on the North American Datum of 1983/2011 (NAD83/11). Elevations were referenced to the North American Vertical Datum of 1988 (NAVD88). Longitude Surveyors collected data on aboveground improvements throughout the survey limits, gathered spot elevations across the survey area, and utilized GPS to establish two benchmarks, each for ten minutes separately.

North Dixie Right-of-Way, City of Oakland Park, Oakland Park, FL

Longitude Surveyors performed a topographic survey east of 2901 North Dixie Hwy, east of the centerline, in the City of Oakland Park, Broward County, Florida, within the Florida Department of Transportation's right-of-way of South Dixie Highway, adhering to the Standards of Practice as per Florida State statutes. The survey limits extended approximately thirty feet (30') north and south of the proposed sign location, stretching from the approximate centerline of South Dixie Highway to the existing concrete wall and chain link fence adjacent to the westerly limit of the railroad corridor, as shown in Exhibit B (see page 3). Longitude Surveyors established horizontal and vertical control for the survey, which was georeferenced to the Florida State Plane Coordinate System based on the North American Datum of 1983/2011 (NAD83/11), with elevations referenced to the North American Vertical Datum of 1988 (NAVD88). The survey also involved collecting data on aboveground improvements throughout the survey limits and gathering spot elevations across the area to illustrate the existing terrain.



Telva Morejon, CST, SIT

Senior Survey Technician / Right-of-Way Specialist

INDUSTRY TENURE

36 years

LONGITUDE TENURE

9 years

EDUCATION

BS, Civil Engineering
University of Cienfuegos,
Cuba (1994)

Professional Surveyor and
Training Survey Technician
CST No. 0617-5709

Telva Morejon, CST, SIT is a highly skilled Senior Survey Technician with a wealth of experience in the field of surveying for 36 years. Possessing a Surveyor and Training Survey Technician CST certificate, she brings a comprehensive understanding of surveying principles, methodologies, and cutting-edge technologies. Telva is a Surveying right-of-way specialist with a proven track record in facilitating seamless land acquisition processes for various projects. Possessing extensive expertise in interpreting property records, understanding legal descriptions, and navigating intricate land tenure systems, she excels in identifying, negotiating, and securing rights of way efficiently. Telva has also served as Project Manager Surveyor on multiple Florida Department of Transportation (FDOT) Contracts. Her extensive experience allows her to remain intimately familiar with FDOT standards, policies, and department procedures.

Citiwide Surveying and Mapping Services, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors (LS) scope of services under this contract includes surveying and mapping services for the Public Works Department and Capital Improvement Program projects.

North Shore D Neighborhood Improvement Project, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude established horizontal and vertical control referenced to NAD83/11 and NAVD88 and determined rights-of-way using field evidence, plats, deeds, and other documentation. We graphically displayed lot lines, easements, and ownership details within the survey limits and collected data on major aboveground features, including pavement, sidewalks, utilities, and trees. Elevations were taken on a 25-foot grid, and a Digital Terrain Model (DTM) was created. Trees over 3 inches DBH or 6 feet tall were documented, and drainage and sanitary structures were surveyed for rim and invert elevations, pipe size, and flow direction. Longitude also performed Quality Level B SUE services using electromagnetic locating and GPR, with results compiled into a georeferenced Civil 3D CAD file.

41 Street Corridor Revitalization City of Miami Beach, Miami Beach, FL

Longitude provided topographic, tree, and subsurface utility surveying services. We performed a right-of-way analysis, graphically showing lot and ownership lines per recorded plats and field evidence. Elevations were collected on a 50-foot grid, including road crowns, sidewalks, and curbs, along with drainage and sanitary structure details such as rim elevations, pipe size, material, and inverts. Longitude located all trees and palms over 3 inches in diameter or 12 feet in height, documenting species, size, height, and canopy in a tree table. Two temporary benchmarks were established from certified control points. We also performed SUE Quality Level B designation and Quality Level A soft digs at 12 locations using electromagnetic locating and ground-penetrating radar (GPR), documenting each utility's position, elevation, material, and type.

Pump Station No. 22 Discharge Force Main Replacement (South Shore Drive 12" FM Replacement), City of Miami Beach, Miami Beach, FL

Longitude performed a topographic survey identifying adjacent house and folio numbers, pavement striping, driveway materials, and sign types. We collected





elevations every 50 feet at key points such as the road crown, pavement edge, sidewalks, curbs, and driveway entrances, with additional shots taken where grade changes occurred. Where accessible, single elevation shots were obtained along rear fence lines and up to 50 feet into the adjacent golf course. Longitude also performed SUE investigations at 20 client-designated soft-dig locations, extending data collection 5–10 feet beyond the right-of-way where possible.

Fire Station No. 1, 1045 Jefferson Ave, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude Surveyors conducted a comprehensive boundary analysis to identify rights-of-way by evaluating field evidence, plats, deeds, and other relevant documentation. All lot and ownership lines within the survey limits were graphically depicted to provide a clear representation of property boundaries. Horizontal and vertical control was established, significant above-ground improvements were collected, and spot elevations were obtained for key features including the crown of the road, back of the sidewalk, top of curb, and edge of pavement. Encroachments and easements from abutting streets were also identified and shown on the survey. In addition, Longitude Surveyors performed Quality Level “B” Subsurface Utility Engineering (SUE) Designation services in accordance with ASCE standards, using Electromagnetic Locators and Ground Penetrating Radar (GPR) to accurately locate and document underground utility lines. To support project requirements, the team prepared a Sketch and Legal Description of the entire property, along with a separate Sketch and Legal Description for a Non-Exclusive Utility Easement.

West Avenue Parking & Pump Station Lot, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude performed a boundary and topographic survey, collecting all rights-of-way, property lines, and adjacent lots shown graphically. We located all significant aboveground improvements, including sidewalks, curbs, pavement, trees, utilities, and site features. Elevations were taken on a 25-foot grid, with rim, bottom, and invert elevations recorded for all drainage and sanitary structures. Longitude also determined pipe sizes and materials and established control points and temporary benchmarks.

Venetian Causeway Water and Sewer Main Upgrades, City of Miami Beach, Miami Beach, FL

Longitude performed a boundary analysis and right-of-way review using field evidence, plats, and deeds. We established horizontal and vertical control, located significant aboveground improvements, and produced a Digital Terrain Model (DTM). Drainage and sanitary structures were surveyed for elevations, pipe size, material, and flow direction. Longitude also documented on-site water meter details and performed Quality Level B SUE Designation using electromagnetic locating and ground-penetrating radar (GPR).

Seawall Replacement at Rue Notre Dame, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude established horizontal and vertical control, including two temporary benchmarks outside the future seawall construction area, using NAD83/2011 for horizontal and NAVD88 for vertical datums. We performed a 3D topographic survey at the north end of Rue Notre Dame for seawall replacement, collecting planimetric and elevation data on a 25-foot grid, extending 40 feet south into the cul-de-sac and 5 feet beyond both rights-of-way. Trees were located and measured by diameter only, with water-side data provided by Terraquatic Inc. Longitude also completed Quality Level B SUE services within the survey limits, using GPR and electric induction to locate utilities where possible.

Dade Boulevard from Pump Station 10 to Jefferson Avenue, City of Miami Beach Public Works Department, Miami Beach, FL

Longitude performed a right-of-way analysis and graphically displayed lot lines based on recorded plats within the survey limits. We established horizontal and vertical control and collected data on aboveground improvements, including pavement, sidewalks, landscaping, utilities, and structures. Elevations were recorded on a 100-foot grid at key points such as the road crown, pavement edge, curb, and sidewalk. Trees and palms over 3 inches in diameter or 12 feet tall were documented with species, size, and canopy in a tree table. Longitude also located drainage and sanitary structures, noting rim elevations, pipe details, and inverts, and identified easements found on plats or public records. Subsurface Utility Engineering (SUE) Quality Level B services were performed using electromagnetic locating and GPR to verify and correct utility records within a 2-foot horizontal tolerance.

TAB E

Approach to Scope of Work

APPROACH TO SCOPE OF WORK

Stormwater Pump Station #16 – Jackson Street to Jefferson Street along SR A1A

SSN Engineering LLC understands that the **City of Hollywood** recently completed a **Stormwater Master Plan (SWMP)** that identified the need for a **stormwater pump station between Jefferson Street and Jackson Street (Pump Station #16)** to address recurring flooding conditions within the coastal corridor along **SR A1A**. This RFQ solicits a professional engineering consultant to provide **design, permitting, and construction administration** services for the project, with design based on the city-provided **Basis of Design Report (BODR)**.

Due to **higher tide elevations, daylight flooding is a common occurrence** within the CRA district south of Hollywood Boulevard, creating safety risks to vehicles and pedestrians and affecting roadway operations. Based on the City's **Drainage Master Plan Model** and SWMP findings, the CRA and City have recommended the implementation of additional stormwater infrastructure, including Pump Station #16, to mitigate flooding and improve system performance.

SSN Engineering LLC recognizes that this project requires a **resilient, multi-discipline design** that addresses **current and future coastal conditions**, integrates regulatory requirements, and delivers a constructible and maintainable solution.

Engineer's Recommendation Statement

Based on the evaluation of alternatives presented in the **Basis of Design Report – June 2024**, SSN Engineering recommends advancing **Scenario 1** as the preferred design approach for the proposed stormwater pump station. Scenario 1 is generally located near the center of the contributing catchment area and provides improved hydraulic balance, efficient conveyance, and enhanced operational reliability when compared to the alternative configuration. The centralized location minimizes conveyance losses, optimizes pump performance, and improves system response during high-intensity rainfall and tidal conditions.

To further enhance system resiliency, SSN Engineering recommends incorporation of a **gravity bypass system** within the pump station design. The bypass is intended to provide passive stormwater conveyance during emergency

scenarios such as power outages, mechanical failure, or maintenance events. Under Scenario 1 hydraulic conditions, the bypass is expected to provide limited gravity discharge capacity that reduces upstream surcharge and mitigates localized flooding risk while maintaining system functionality.

This recommendation is supported by SSN Engineering’s ongoing design experience with a comparable coastal stormwater system for the City of Pompano Beach, consisting of **two (2) pump stations rated at approximately 10,000 GPM each**, which includes a similar gravity bypass configuration. Lessons learned from that project have informed design considerations related to constructability, operational redundancy, and long-term performance.

It is the professional opinion of SSN Engineering that advancement of Scenario 1, combined with the inclusion of a gravity bypass system, represents the most technically sound, resilient, and operationally efficient solution for the project.

Understanding of Project Needs and Objectives

SSN Engineering LLC understands the City’s objectives to:

- Reduce flooding impacts along SR A1A and adjacent neighborhoods
- Improve public safety by minimizing roadway and pedestrian flooding
- Implement SWMP and Drainage Master Plan recommendations
- Deliver a resilient pump station capable of operating under high-tide and extreme rainfall conditions
- Coordinate effectively with multiple regulatory agencies

Approach, Vision, and Methodology

Technical approach and methodology	Structured, task-based delivery aligned with the BODR and City standards
Multi-discipline coordination	Integrated civil, structural, mechanical, electrical, instrumentation, and stormwater design
Flood mitigation effectiveness	Advanced modeling incorporating tidal, tailwater, and groundwater conditions
Regulatory compliance	Early and continuous agency coordination
Constructability and maintainability	Practical design focused on long-term operations and maintenance

Sea-Level Rise and Resiliency Criteria

SSN Engineering LLC incorporates **sea-level rise and resiliency considerations** throughout the planning and design process to ensure long-term system performance and adaptability.

Resiliency measures include:

- Evaluation of **existing and projected tailwater and tidal conditions**
- Incorporation of **freeboard and elevation criteria** consistent with City and regulatory guidance
- Pump selection and system configuration designed to maintain performance during **high-tide and extreme rainfall events**
- Redundancy and firm capacity considerations to enhance operational reliability
- Design features that allow for **future system modifications or capacity enhancements**, as appropriate

These criteria ensure that Pump Station #16 supports the City's long-term flood mitigation and infrastructure resilience objectives.

Approach to Performing the Work

Major Task	Scope and Responsibilities
Project Initiation	Kickoff meeting, BODR review, confirmation of scope, schedule, and deliverables
Existing Conditions Evaluation	Review SWMP, Drainage Master Plan Model, as-builts, and field conditions
Stormwater Modeling	Hydrologic and hydraulic modeling incorporating sea-level rise and daylight flooding scenarios
Pump Station Design	Civil, structural, mechanical, electrical, and instrumentation design
Permitting	Preparation and coordination of all required permit applications
Construction Administration	Submittal review, RFIs, site visits, and record drawings

Permitting and Agency Coordination

SSN Engineering LLC understands that permits are anticipated from:

- **U.S. Army Corps of Engineers (ACOE)**
- **South Florida Water Management District (SFWMD)**
- **Broward County Environmental Protection and Growth Management Department (BCEPGMD)**
- **Florida Department of Transportation (FDOT)**

- **Other agencies**, as determined during project development

Permitting activities will be coordinated concurrently with design to minimize schedule impacts and support timely approvals.

Project Schedule and Execution

SSN Engineering LLC utilizes a **phase-based scheduling methodology** consistent with City expectations.

Project Phase	Estimated Duration
Project Initiation & BODR Review	1–2 weeks
Existing Conditions & Model Refinement	2–3 weeks
Preliminary Design & Permit Submittals	3–4 weeks
Final Design & Agency Coordination	2–3 weeks
Construction Administration	During construction

Schedules are actively managed, with regular coordination and early identification of critical path items.

Team Capacity and Scalability

SSN Engineering LLC maintains sufficient staffing and a scalable team structure to support **multiple concurrent assignments** under this contract. Senior engineering oversight is maintained throughout all phases to ensure quality, schedule adherence, and regulatory compliance.

Conclusion

SSN Engineering LLC's approach demonstrates a clear understanding of the **City of Hollywood's RFQ objectives, Stormwater Master Plan, Basis of Design Report, and resiliency goals**. The firm is well qualified to provide **design, permitting, and construction administration** services for **Stormwater Pump Station #16**, delivering a resilient, regulatory-compliant, and constructible solution aligned with the City's long-term flood mitigation strategy.

TAB F

**Knowledge of the
Site and Local
Conditions**

KNOWLEDGE OF THE SITE AND LOCAL CONDITIONS

SSN Engineering LLC's staff demonstrates a comprehensive understanding of the **Stormwater Pump Station #16 project area along SR A1A between Jackson Street and Jefferson Street**, based on detailed review of the City's **Stormwater Master Plan (SWMP), Drainage Master Plan Model, and the Basis of Design Report (BODR) for Systems 1 through 3.**

The project area is located within the **Hollywood Beach barrier island**, immediately east of the **Intracoastal Waterway**, and is characterized by **low-lying, flat topography**. Ground elevations generally range from approximately **1.0 to 3.5 feet NAVD88**, with the lowest elevations occurring along side streets and at curb inlet locations, and slightly higher elevations along SR A1A. These conditions, combined with elevated tailwater levels, contribute to frequent roadway and neighborhood flooding.

SSN Engineering's staff understands that the existing stormwater system serving this area consists of **three independent gravity-based drainage systems (Systems 1–3)** that discharge through multiple outfalls directly to the Intracoastal Waterway. The system includes approximately **60 catch basins, 35 manholes, and nearly 6,000 linear feet of storm sewer**, serving an estimated **10.64 acres** of drainage area. Under existing conditions, the system lacks the capacity to effectively convey stormwater during **high-tide and extreme rainfall events**, resulting in documented flood depths exceeding **three feet during a 5-year storm**, with prolonged flood durations.

The staff is also familiar with the **significant influence of tidal conditions, sea-level rise, and daylight flooding** within the CRA district south of Hollywood Boulevard. The BODR confirms that projected **Design High Water elevations**, including **king tide and surge tide conditions**, routinely exceed the effectiveness of gravity drainage. These conditions create recurring safety risks to **vehicles and pedestrians**, disrupt traffic operations along SR A1A, and adversely impact adjacent properties.

SSN Engineering's team understands the **subsurface and geotechnical constraints** of the area, including **urban soils with poor infiltration characteristics, a Seasonal High Water Table near 1.0 foot NAVD88**, and groundwater elevations that are frequently overridden by tidal tailwater conditions. These constraints limit traditional stormwater treatment options and necessitate the use of **pump stations and proprietary water quality treatment systems** to meet regulatory requirements.

In addition, SSN Engineering's staff is knowledgeable of the **dense and complex utility environment** within the SR A1A corridor, including potable water, sanitary sewer, stormwater, communications, gas, and electrical infrastructure. The constrained right-of-way, proximity to the Intracoastal Waterway, and need to maintain traffic flow and public access significantly influence design, constructability, and permitting considerations.

Considering all of these site conditions, hydrologic and hydraulic constraints, tidal influences, utility conflicts, and regulatory requirements, SSN Engineering LLC will design the proposed Stormwater Pump Station #16 to effectively resolve the identified flooding issues. The pump station will be designed in accordance with the City's **Stormwater Master Plan, Drainage Master Plan Model, and Basis of Design Report**, and will incorporate **resilient design criteria** to address **sea-level rise, high-tide conditions, and extreme rainfall events**. The proposed design will improve system reliability, reduce roadway and daylight flooding, enhance public safety, and provide a **constructible, maintainable, and permit-ready solution** consistent with the City of Hollywood's long-term flood mitigation objectives.

TAB G

References

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-365-26-JJ
 Reference for: SSN Engineering, LLC

Organization/Firm Name providing reference: Miami-Dade Department of RER - Water Management Division

Organization/Firm Contact Name: Amy Cook Title: Engineer 3

Email: amy.cook@miami-dade.gov Phone: (305) 582-4471

Name of Referenced Project: Stormwater Master Plan Update Contract No: EDP-PE-DE-86WM

Date Services were provided: 2025 Project Amount: \$500,000.00

Referenced Vendor's role in Project: Prime Vendor Subcontractor/
 Subconsultant
 Would you use the Vendor again? Yes No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
 Supported development of MIKE SHE/MIKE+ hydrologic, hydraulic model of Miami-Dade County and provided GIS support for the Stormwater Master Plan Update of various hydrologic basins.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****					
Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail: <input type="checkbox"/>
Verified by:	Name:				Title:
	Department:				Date:

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-365-26-JJ
 Reference for: SSN Engineering, LLC

Organization/Firm Name providing reference: City of Opa-locka

Organization/Firm Contact Name: Carlos Gonzalez Title: CIP Project Manager
 Email: cgonzalez@opalockafl.gov Phone: (305) 582-4471
 Name of Referenced Project: Pump Station Design Contract No:
 Date Services were provided: 2023 Project Amount: \$129,500.00

Referenced Vendor's role in Project: Prime Vendor Subcontractor/
 Subconsultant
 Would you use the Vendor again? Yes No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail:	<input type="checkbox"/>
Verified by:	Name:		Title:			
	Department:		Date:			

TAB H

Sub-Consultant Information

Sub-consultant Information

In alignment with the scope of services outlined in the RFP, SSN Engineering LLC proposes a coordinated team approach utilizing qualified sub-consultants to provide specialized technical services necessary to successfully deliver the Work. SSN Engineering LLC will serve as the Prime Consultant and will be responsible for overall project management, coordination, design integration, permitting support, and quality assurance/quality control in accordance with the Contract requirements.

The following sub-consultants are identified as part of our project team:

- **GeoSol, Inc.** – GeoSol will provide geotechnical engineering services consistent with the RFP scope, including subsurface investigations, geotechnical evaluations, soil and foundation recommendations, and technical support during design and construction phases. Their services will support site development, infrastructure design, and constructability considerations as required under the solicitation.
- **Longitude Surveying, Inc.** – Longitude Surveying will provide professional surveying and mapping services in support of the RFP scope, including boundary and topographic surveys, construction layout, as-built surveys, and preparation of survey documents necessary for planning, design, permitting, and project closeout activities.

SSN Engineering LLC shall maintain full responsibility for the management, supervision, and performance of all services provided by its sub-consultants. All work will be performed under the direction of SSN Engineering LLC and in compliance with the RFP requirements, applicable codes and regulations, and the overall project schedule. This team structure ensures that the project benefits from specialized expertise while maintaining a single point of accountability and streamlined communication with the City.

TAB I

Financial Resources

February 12, 2026

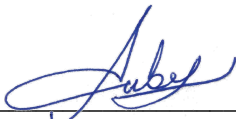
Jean Joinville
Procurement Manager
City of Hollywood
2600 Hollywood Boulevard, Suite 303
Hollywood, FL 33020

Financial Summary Statement

The undersigned, as a duly authorized representative of the Proposer, hereby certifies that the Proposer is presently in sound financial condition and possesses the financial capacity, resources, and stability necessary to perform the services contemplated under this solicitation.

The Proposer confirms that it is not currently involved in, nor has it been involved in, any bankruptcy proceedings, reorganization, or insolvency actions.

This statement is submitted in compliance with the solicitation requirements and is true and correct to the best of our knowledge.

A handwritten signature in blue ink, appearing to read 'Rubel', written over a horizontal line.

Rubel Siddique, P.E., Project Manager
SSN ENGINEERING, LLC

TAB J

Legal Proceedings and Performance

LEGAL PROCEEDINGS AND PERFORMANCE

This letter is submitted in response to the request for disclosure of contract performance history, legal proceedings, and compliance certifications for **SSN Engineering LLC** (“the Firm”).

1. Liquidated Damages / Termination for Default

SSN Engineering LLC **has not paid liquidated damages** on any project.

SSN Engineering LLC **has not been terminated for default** on any contract.

There have been **no occurrences** requiring disclosure related to liquidated damages or termination for default.

2. Legal Proceedings – Past Five (5) Years

After a thorough review of company records, SSN Engineering LLC confirms the following for the **entire company** over the past five (5) years:

1. Arbitrations

SSN Engineering LLC **has not been a party to any construction arbitration proceedings**, either filed by or against the Firm.

- Nature of claim: N/A
- Amount in dispute: N/A
- Parties involved: N/A
- Resolution: N/A

2. Lawsuits (Construction-Related)

SSN Engineering LLC **has not been a party to any construction-related lawsuits** (excluding labor or personal injury matters) filed by or against the Firm.

- Nature of claim: N/A
- Amount in dispute: N/A
- Parties involved: N/A
- Resolution: N/A

3. Other Proceedings

Labor Practices (NLRB or Similar Agencies):

SSN Engineering LLC **has not been subject to any lawsuits, administrative proceedings, or hearings** initiated by the National Labor Relations Board or any similar state agency within the past five (5) years.

Safety Practices (OSHA or Similar Agencies):

SSN Engineering LLC **has not been subject to any OSHA-related lawsuits, administrative proceedings, or hearings** concerning project safety practices within the past five (5) years.

4. Bankruptcies

Neither SSN Engineering LLC, **nor any parent company or subsidiary**, has ever had a **Bankruptcy Petition filed**, voluntarily or involuntarily.

5. Contract Terminations

SSN Engineering LLC **has not had any contract terminated** by another party.

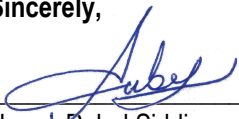
6. Convicted Vendor Certification – Florida Statutes

By submission of this Statement of Qualifications (SOQ), SSN Engineering LLC hereby certifies that the Firm **has not been placed on the convicted vendor list** as described in **Section §287.133 (2)(a), Florida Statutes**.

Certification

I hereby certify that the information provided above is **true, accurate, and complete** to the best of my knowledge.

Sincerely,



Name: Rubel Siddique

Title: Director of Engineering

Company: **SSN Engineering LLC**

Date: 02/12/2026