City of Fort Lauderdale

Bridge Design and Miscellaneous Structural Engineering Services, Continuing Contract

RFQ Event # 423

Date: March 27, 2025 – Time: 2:00 PM

R.J.Behar & Company, Inc.
Engineers • Planners

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Tab 2:
Executive Summary

R.J.Behar

TAB 2 – Executive Summary

R.J. Behar & Company, Inc. (RJ Behar) is most pleased to submit via the City's e-Procurement website INFRO, one digital PDF copy of the complete package to respond to this Request for Qualifications **Professional Engineering Consulting Services Continuing Contract for Bridge Design and Miscellaneous Structural Engineering Services RFQ/Event #423 for the Public Works Department.** **RJ Behar** will provide Structural and Miscellaneous Engineering Services. **RJ Behar** is prequalified by the Florida Department of Transportation (FDOT) in Categories 4.1.1 – Miscellaneous Structures and 4.1.2 – Minor Bridge Design.

BUSINESS ENTITY:

R.J. Behar & Company, Inc.
State of Florida License Number: P99000088184
Professional Regulation License Number: CA8365
FEIN Number: 65-0954070

COMPANY BACKGROUND: **RJ Behar** was founded in 1999, as a Corporation in Florida, to provide consulting engineering services to public sector clients. Our firm ha grown during that time to 39 employees. Our growth has been based on providing quality services with a client service-oriented approach. **RJ Behar's** services include:

- Structural Engineering Transportation Engineering & Highway Engineering
- Civil Engineering
- Traffic Engineering
- Water Resources & Stormwater Master Planning
- Environmental Engineering
- Construction Engineering Management & Inspections

RJ BEHAR OFFICES:

* Headquarters – Broward County	Palm Beach County Office	Miami-Dade County Office
6861 SW 196th Avenue, Ste. 302 Pembroke Pines, Florida 33332 T: 954 680-7771 / F: 954 680-7781	12788 Forest Hill Boulevard, Ste. 2003B Wellington, Florida 33414 T: 561 333-7000 / F: 561 333-7001	7850 NW 146th Street, Ste. 504 Miami Lakes, Florida 33016 T: 305 558-3777 / F: 305 558-8909

RJ BEHAR'S OFFICERS:
Robert J. Behar, PE, President/Treasurer – bbehar@rjbehar.com
Paola Riveros, PE, Vice President – priveros@rjbehar.com
Dereth Behar, Corporate Secretary – dbehar@rjbehar.com

POINT OF CONTACT/PROJECT MANAGER:
Gregory Dover, PE, Project Manager, 954-680-7771 – gdover@rjbehar.com, located in the Pembroke Pines office.

RJ BEHAR SUPERVISORY STAFF AND KEY PARTICIPANTS:
We have a team of seasoned professionals with supporting staff members and subconsultants to undertake this assignment. **RJ Behar** has successfully completed similar Continuing Contracts for Structural Engineering services for various government agencies and is very familiar with the City of Fort Lauderdale. On staff, we have 11 Professional Engineers, 2 Engineer Interns, and 39 employees available to assist the City. **RJ Behar** has distinct areas of specialization, which include Professional Hydrologists, LEED AP ND, Certified Environmental Inspectors, Certified Floodplain Managers, Technical Field Inspectors, Threshold Inspectors, Construction Training Qualified Program Certified Inspectors, Stormwater Management Certified Inspectors, Certified Maintenance of Traffic/Temporary Traffic Control Plan Designers/Inspectors, Certified Public Managers, Professional Traffic Operations Engineers, and Transit Planners, Resident Compliance Specialists, Grant Assistance and Public Involvement Officers.

PROFESSIONAL LEAD PERSONNEL			
NAME	LOCATION	ROLE	EXPERIENCE
Robert J. Behar, PE	Pembroke Pines	Principal-in-Charge	He provides vast experience with planning, design, and management of transportation projects with emphasis on quality control and quality assurance. He is a voting member of the Florida Greenbook Committee

			with over 47 years of experience including with the City of Fort Lauderdale.
NAME	**LOCATION**	**ROLE**	**EXPERIENCE**
Gregory Dover, PE	Pembroke Pines	Project Manager	With 35 years of structural engineering experience including being Project Manager and Engineer of Record (EOR) for numerous projects in the States of Florida, North Carolina and Texas, he will be providing structural design for water structures, bridges, plans review, and inspections.
Jossmel Cruz, PE	Pembroke Pines	Project Engineer	He is a civil engineer with 8 years of experience, he has a master's degree in structural engineering. His experience includes design of structural elements, performing inspections of infrastructure and building projects, pump stations, and has completed environmental permit applications to obtain Sections 404 and 408 from the USACE.

KEY ELEMENTS OF THE PROPOSAL

The City of Fort Lauderdale, through its Public Works Department (PWD), has requested qualified licensed firms interested in providing professional structural engineering services for bridge design, miscellaneous structural services, assisting with grant applications, and staff augmentation. Three projects are listed and included for design services for bridge replacements, which are as follows:

1. Replacement of SE 13th Street Bridge - ID:865765
2. Replacement of NE 1st Street Bridge- ID:865727
3. Replacement of the Bayview Longboat Inlet Bridge - ID:865708

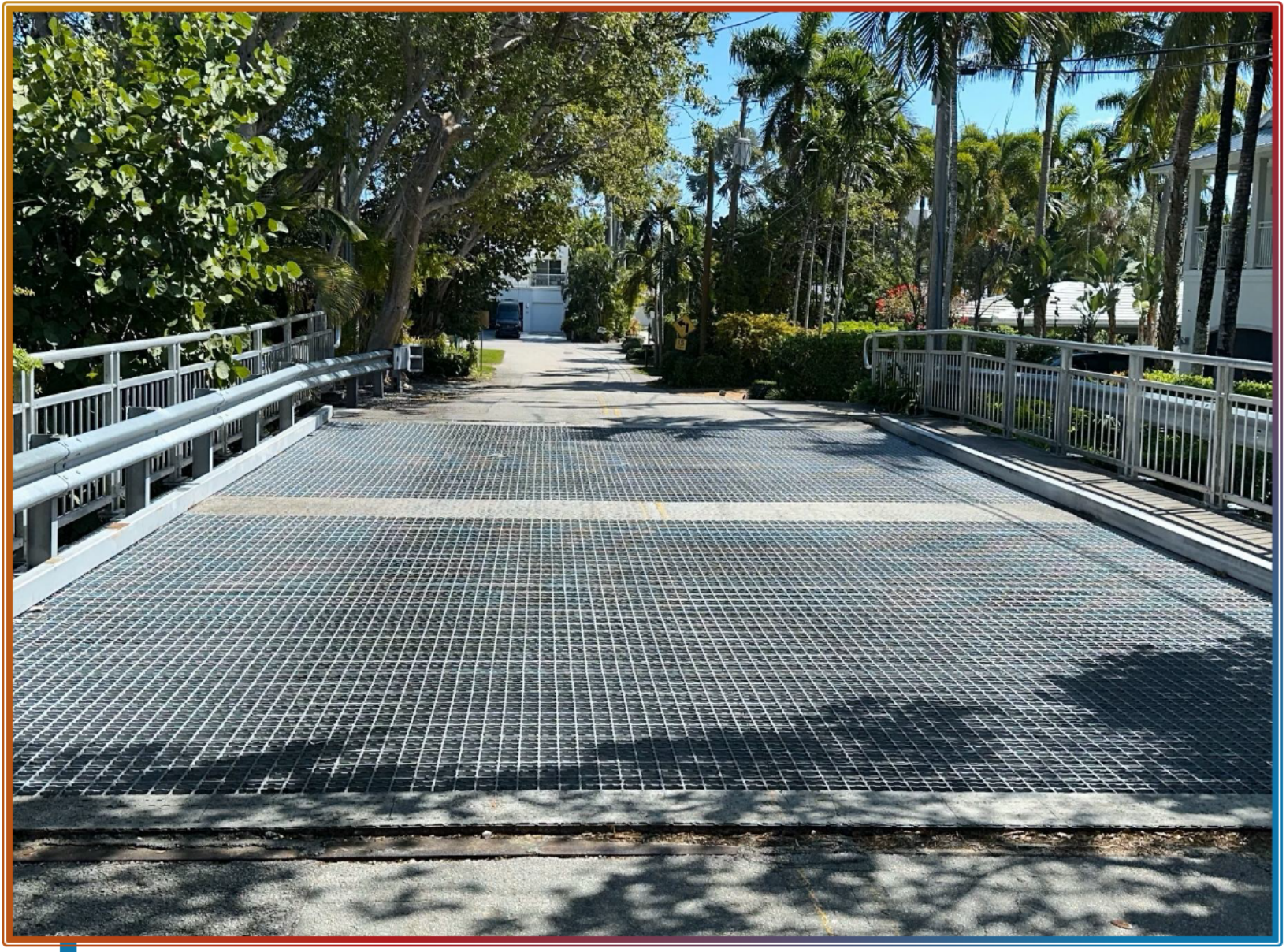
The purpose of the PWD is for the improvement of the City's infrastructure, rehabilitation or replacement/new construction of bridges and upgrades as per Florida Department of Transportation (FDOT) standards and Construction Engineering Inspection (CEI) services. The design of any of these bridges and other miscellaneous structures may include site visits and inspections, analysis and reports, drainage and roadway design improvements, permitting, utility relocations, also bidding assistance, and/or construction inspection services as required.

UNDERSTANDING THE SCOPE:

RJ Behar has a thorough understanding of the scope of services as per City requirements and needs. **RJ Behar** has provided the requested services under similar continuous contracts to the South Florida Water Management District (SFWMD) since 2008 and to Palm Beach County with the PBC Structural Annual Contract since 2004. Many of these projects involved machinery, railings, platforms and fall protection devices that are like those found in bascule bridges and water/sewage treatment plants. Some of the services have included: *Bridge Design (Minor, Major & Bascule Bridges), Bridge Rehabilitation Design (Minor, Major and Bascule Bridges), Bridge Inspections (Minor, Major and Bascule Bridges), Box Culvert and Special Drainage Structures, Mast Arm Design for Traffic Signals, Retaining Wall Systems (All Types of Walls), Overhead Sign Structures (with All Types of Foundations), Residential and Commercial Buildings Design (<4 Stories), Water Control Structures (Spillways, Culverts & Weirs), Recreational Structures, Pedestrian Bridges, Docks and Piers, Pump Stations (Water Control & Sewage Pump Stations), and Bridge Construction and Inspection Services.* ***RJ Behar*** *has provided structural engineering services to Florida's Turnpike under a contract an Annual Contract.* Many of these projects' services have included engineering surveys, geotechnical exploration, underwater inspections, permitting, bidding assistance, cost estimation as described in the scope of services for this contract. The **RJ Behar** team is ready and includes subconsultant firms to complement all services and orders that might come up with this contract.

On review of our proposal, the City of Fort Lauderdale will see that **RJ Behar's** qualifications and approach to the work are compatible with the City needs. Our references will corroborate **RJ Behar's** performance on similar contracts to ensure the City of our ability to satisfy the functional areas of expertise for this contract.

Our Company's Principals have been providing engineering services to the City of Fort Lauderdale for more than 40 years and look forward to continuing to work for the City on this Contract.



Tab 3: Firm Qualifications and Experience

R.J.Behar

TAB 3 – Firm Qualifications and Experience

RJ Behar is best qualified to perform the services outlined in the RFQ due to its diversified list of capabilities and qualifications including the following disciplines:

- *Structural Engineering (bridges and buildings)*
- *Civil Engineering*
- *Stormwater Master Plan*
- *Water Resources*
- *Hydrologic-Hydraulic Studies*
- *Bridge Hydraulics and Scour Analyses*
- *Stormwater Sewer Design*
- *Sanitary Sewers and Water Distribution*
- *Drainage Design*
- *Open Channel Hydraulics/Energy Dissipation*
- *Flood Control and Drainage Studies*
- *Injection Well Design*
- *Highway Drainage*
- *Sanitary Sewer Collection*
- *Gates/Culverts/Spillways Design*
- *Spill Prevention and Best Management Practice Plans*
- *NPDES Permitting for Construction Activities*
- *Transportation Engineering*
- *Roadway Design*
- *Traffic Engineering*
- *Traffic Calming Design*
- *Transportation Planning*
- *Freeway Design*
- *Site Planning and Engineering*
- *LAP Certification Support*
- *Project Development & Environmental Studies*
- *Environmental Engineering Studies*
- *Environmental Permitting*
- *Construction Management and Inspection*

COMPANY AND PROFESSIONAL BACKGROUND – SIZE OF THE FIRM

RJ Behar is an award-winning consulting firm with a wide range of expertise and qualifications. Our firm has grown to 39 employees. **RJ Behar** is large enough to provide a variety of engineering services to multiple municipalities. Our steady growth has been based on providing quality services with a client service-oriented approach. Our mission is to understand our client's needs, applying the necessary resources to accomplish those needs, while building and maintaining long-term professional relationships with our clients. Since repeat business is the key to our success, we recognize the need to satisfy our clients.

DEPARTMENT	NO. OF STAFF
Administrative	6
CADD Technician	3
Civil Engineer	3
Construction Manager	1
Construction Inspector	9
Environmental Inspector Engineer	1
Hydrologist	1
Structural Engineer	5
Transportation Engineer	4
Water Resources Engineer	3
Electric Engineer	1
Planner: Urban/Regional	1
Cost Estimating	1
Total:	**39**

RJ Behar has been providing professional engineering consulting services for over 25 years. We have successfully completed similar continuing professional consulting services contracts for various government agencies, such as Palm Beach County, Miami-Dade County, the Florida Department of Transportation (FDOT), South Florida Water Management District (SFWMD), Broward County, and the Cities of Delray Beach, Miami, Hialeah, South Miami, Pompano Beach, Hallandale Beach, Miami Gardens, Fort Lauderdale, Lauderdale Lakes, Lauderhill, Town of Davie, Town of Medley, Town of Cutler Bay, and the Village of Palmetto Bay.

On staff, we have 11 Professional Engineers, 2 Engineer Interns, and 9 CTQP certified Construction Engineering Inspectors, with a total of 39 employees available to assist the City - Please refer to our **Organizational Chart and Staff Resumes under Tab 4,** for a complete listing of individuals and their qualifications.

Sustainable Business Practices –

RJ Behar's Green Policy Statement/Commitment to Conservation ensures that we seek to constantly look for ways in which we can improve our environment, recycling whenever possible and reducing overall energy usage while exploring renewable resources. Most of our practices have been in place since our inception in 1999 and we have modified and added new policies as technology becomes available.

Waste

RJ Behar, whenever possible, tries to reduce waste products. We send most communications, invoices, and reports via e-mail to cut back on paper waste. We try to reuse, whenever possible, envelopes and print draft documents on recycled paper. RJ Behar will reuse ink cartridges, by having them refilled. RJ Behar recycles all recyclable waste, when it is not reusable, and maintains recyclable product bins for employees to use. Old computers, printers, and monitors are brought to the ARC Broward Recycling Plant.

Stationary/Marketing Literature

RJ Behar uses recycled paper for our printer/copier. We use refilled ink cartridges, and we produce all new stationary and marketing literature on recycled paper/card whenever possible.

Energy Consumption

RJ Behar makes every effort to reduce the amount of energy consumption in its office: Air conditioners are shut off at end of the day and for the weekends; All light bulbs are of the energy saving type; All lights are switched off when not needed; All computers are switched off at sockets when not in use. RJ Behar encourages carpooling among its employees whenever possible. RJ Behar believes in Green Building Technology and have assisted several employees to obtain and maintain their LEED AP certifications.

Innovative Concepts

RJ Behar is constantly using Value Engineering principles to innovate our projects. We have used new technologies, such as directional drilling, new stormwater BMPs, pervious pavements, solar powered systems, and other means. We will continue to use these principles for the City of Fort Lauderdale's projects. Value engineering is used to solve problems and identify and eliminate unwanted costs, while improving function and quality. The aim is to increase the value of projects, satisfying the project's performance requirements at the lowest possible cost. In construction, this involves considering the availability of materials, construction methods, transportation issues, site limitations or restrictions, planning and organization, costs, profits and so on. Benefits that can be delivered include a reduction in life cycle costs, improvement in quality, reduction of environmental impacts, and so on. Value engineering should start at project inception where the benefits can be greatest, however the contractor may also have a significant contribution to make as long as the changes required to the contract do not affect the timescales, completion dates or incur additional costs that outweigh the savings they offer. Our project managers take a pro-active role in both giving direction and leadership in the value engineering process, but must also ensure that time and effort is not wasted and does not have a detrimental effect on the progress of the project.


Environmental Protection Department
Laboratory Green Building

RJ Behar encourages sustainable design and the development of innovative, low-impact solutions. For example, we can implement any of the following: executing newly proven best management practices to reduce stormwater runoff; determining the best location for site amenities to encourage community use; utilizing new materials that promote public safety while limiting environmental impacts; and researching methods that can minimize time and effort. This amounts to reducing overall operational and maintenance costs for our Clients. Additionally, we have experienced staff who understand the relationship between cost, quality, and timeliness. As a result, we can effectively evaluate the advantages and disadvantages of our solutions against environmental factors and determine the best solutions with the least impact for every unique circumstance. Our experience in sustainable design includes the design of the **Broward County Department of Environmental Protection Green Laboratory**, where we designed the site amenities and evaluated green features such as bio-swales. We also designed the site, grading with complete specifications for the Hickory Hammock Equestrian Campground for the SFWMD. In this site we designed compost toilets and solar powered lighting.

Under the City of Miami Beach Comprehensive Green Building and Energy Conservation Program, the City completed the Convention Center Chiller upgrade project proposed to extend the existing chilled water loop at the Convention Center and Jackie Gleason Theater to provide chilled water for City Hall and the new Municipal Parking Garage. This energy conservation measure (ECM) converted the Convention Center cooling plant into a District Cooling Plant. This project shifted inefficient chilled water operations at City Hall and the new Municipal Parking Garage to the modernized plant currently serving the

Convention Center. These combined efficiency improvements to the Convention Center Chiller Plant, which greatly improved cooling efficiency to the buildings utilizing chilled water. The total program will save the City an estimated $1.8 million each year in energy costs. RJ Behar designed the Miami Beach Convention Center underground piping, the supply and discharge wells and the Police Station wells, prepared all site plans and permit packages. The design followed the recommendations of a hydrogeologic report that included the construction of a test well on site to determine underground soil and hydrogeologic parameters. RJ Behar was also responsible for all the utility coordination and pipe routing.

Miami-Dade County studied their existing land development and transportation infrastructure to meet a more sustainable standard of design. The County developed the Miami-Dade Green Print document, in which one of its goals was to increase integration of transit with pedestrian and bicycle trips as part of the Responsible Land Use and Smart Transportation initiative. As part of this study, RJ Behar prepared a generalized bicycle parking guide layout. The plan included photos of bicycle rack designs, schematic drawings, list of bicycle rack elements, and placement locations.

As the stewards of society's physical infrastructure, it is incumbent on civil engineers to lead the next shift in sustainable planning, design, and construction. For this reason, RJ Behar has incorporated sustainable designs and planning into our list of services. There are many possibilities when incorporating sustainable designs into a project, and we take each project and determine the most efficient and sustainable design possible, while keeping in mind the City's budget. We are sure to provide our clients with the most up-to-date and relevant information on how to bring their projects to accreditation.
Our project team includes a group of savvy and experienced designers. They are constantly bringing innovative design solutions to our projects.

One of the newest applications our field inspectors are using is **Bluebeam® Revu®. Bluebeam® Revu®** is a PDF markup and editing software designed specifically for the AEC industry that allows for greater collaboration and efficiency—anytime, anywhere. RJ Behar understands that the availability of fast, reliable information from our inspectors and communication with the City is key in ensuring favorable project quality results.

Tressler Street Drainage Improvements, City of North Miami – We designed drainage improvements using pervious pavements. The swale areas were being utilized for parking and rather than paving them with conventional methods, they were reinforced with gravel pave to continue to be used for parking but not significantly increasing the runoff potential.

Copans Road Wastewater System Rehabilitation, City of Coconut Creek – This project used trenchless technologies to construct a new wastewater force main (Directional Drilling) and rehabilitation of another line using slip lining. The project was nominated for and gained an award for the use of innovative technologies.

S-135 Structure By-Pass Culvert Embankment Rehabilitation, SFWMD – This project includes the rehabilitation of the embankment around two 96-inch bypass culverts under the Herbert Hoover Dike utilizing chemical grouting.

3D Modeling/BIM: 3D modeling is the future of engineering and RJ Behar has the capabilities to develop projects in 3D. The benefits of 3D modeling include integration of several design processes, improved and enhanced quality control and assurance, increased efficiency, and optimized resources. In addition, a 3D model can be presented to the public and to stakeholders, helping them to have a comprehensive understanding of what is occurring and seeing the details of what will be constructed. Having all the design elements in 3D improves accuracy and decreases unintended occurrences. For instance, if something is not graded properly or located in the correct spot, it is clearly identifiable. 3D modeling allows coordination of the utilities, mechanical, electrical, and other equipment, with enhanced visualization of conflicts. Reducing conflicts between disciplines is a big advantage of 3D modeling. 3D modeling also improves the accuracy of the quantities; as a result, it avoids under or overestimates. On a 3D model, design conflicts become much more apparent and enable the design team to anticipate issues and facilitate the project staying on time and budget. Utility conflicts can be easily identified and solved during design using the 3D model.

Business Structure/State of Florida Registration/Minority Business Enterprise (MBE)

RJ Behar's business structure is classified as **Corporation, Type "S,"** organized under the laws of the State of Florida, and currently qualified as a **Minority Business Enterprise (MBE)** with the State of Florida, a **Small Business Enterprise (SBE)** with SFWMD, Miami-Dade County, and the FDOT, as well as a Disadvantaged Business Enterprise (DBE) with FDOT. *Please Refer to the copies of our company's licenses and certifications.*

R.J. Behar and Company, Inc. Staff Breakdown

Corporate/Headquarters Office Responsible Office	Palm Beach County Office	Miami-Dade County Office
Professional Staff: 8 Engineering Support Staff: 12 Administrative Staff: 6 CEI Inspectors: 6 **Total Employees: 32**	Professional Staff: 2 Engineering Support Staff: 1 CEI Inspectors: 1 **Total Employees: 4**	Professional Staff: 1 CEI Inspectors: 2 **Total Employees: 3**

Florida Department of Business & Professional Regulations (DBPR) – Professional Engineer License

R.J. Behar & Company, Inc. – License Number: 8365, **Status:** Current / **Expiration:** 02/28/2027

Licensee

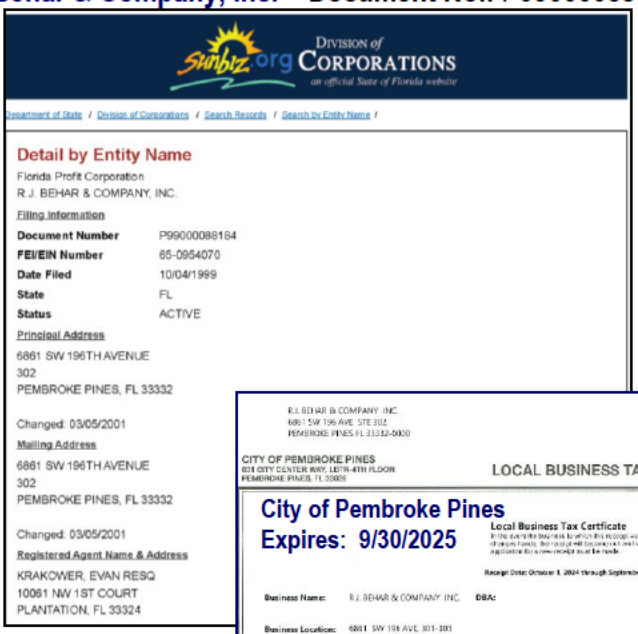
Name:	**R.J. BEHAR & COMPANY, INC.**	License Number:	**8365**
Rank:	**Registry**	License Expiration Date:	
Primary Status:	**Current**	Original License Date:	**10/22/1999**

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
21755	Current, Active	BEHAR, ROBERT JOSE	Registry	02/19/2005	Professional Engineer	02/28/2027

Sunbiz – Division of Corporations of State of Florida / Secretary of State

R.J. Behar & Company, Inc. – Document No.: P99000088184, **Status:** Active



Sunbiz.org Division of Corporations
an official State of Florida website

Department of State / Division of Corporations / Search Records / Search by Entity Name /

Detail by Entity Name

Florida Profit Corporation
R.J. BEHAR & COMPANY, INC.

Filing Information

Document Number	P99000088184
FEI/EIN Number	65-0954070
Date Filed	10/04/1999
State	FL
Status	ACTIVE

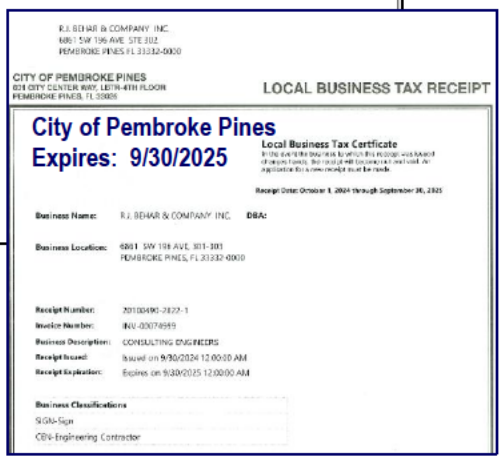
Principal Address
6861 SW 196TH AVENUE
302
PEMBROKE PINES, FL 33332

Changed: 03/05/2001

Mailing Address
6861 SW 196TH AVENUE
302
PEMBROKE PINES, FL 33332

Changed: 03/05/2001

Registered Agent Name & Address
KRAKOWER, EVAN RESQ
10061 NW 1ST COURT
PLANTATION, FL 33324



R.J. BEHAR & COMPANY, INC.
6861 SW 196 AVE STE 302
PEMBROKE PINES FL 33332-0000

CITY OF PEMBROKE PINES
601 CITY CENTER WAY, 1ST/4TH FLOOR
PEMBROKE PINES, FL 33025

LOCAL BUSINESS TAX RECEIPT

City of Pembroke Pines
Expires: 9/30/2025

Local Business Tax Certificate

Business Name: R.J. BEHAR & COMPANY, INC. DBA:

Business Location: 6861 SW 196 AVE, 301-302
PEMBROKE PINES, FL 33332-0000

Receipt Number: 20100490-2022-1
Invoice Number: INV-00074999
Business Description: CONSULTING ENGINEERS
Receipt Issued: Issued on 9/30/2024 12:00:00 AM
Receipt Expiration: Expires on 9/30/2025 12:00:00 AM

Business Classifications
SIGN-Sign
CBN-Engineering Contractor

State of Florida
Department of State

I certify from the records of this office that R.J. BEHAR & COMPANY, INC. is a corporation organized under the laws of the State of Florida, filed on October 4, 1999.

The document number of this corporation is P99000088184.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 2, 2025, and that its status is active.

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

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

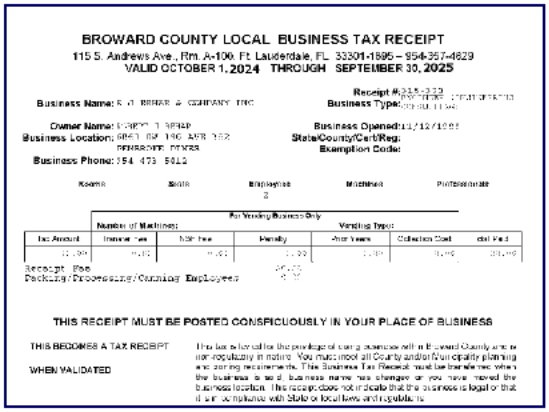
Secretary of State

Tracking Number: 5409488407CC

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

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

Broward County LBTR – 9/30/2025



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

Business Name: R. J. BEHAR & COMPANY, INC
Owner Name: ROBERT J BEHAR
Business Location: 6861 SW 196 AVE 302
PEMBROKE PINES
Business Phone: 954 473 5412

Rooms | Seats | Employees 2 | Machines | Professionals

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

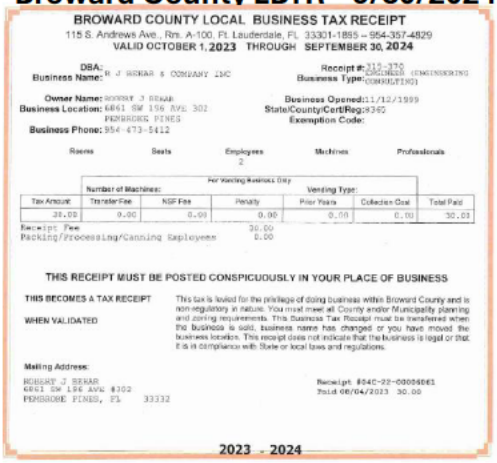
Receipt Fee
Packing/Processing/Canning Employees

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.

Broward County LBTR – 9/30/2024



BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829
VALID OCTOBER 1, 2023 THROUGH SEPTEMBER 30, 2024

DBA:
Business Name: R J BEHAR & COMPANY INC
Owner Name: ROBERT J BEHAR
Business Location: 6861 SW 196 AVE 302
PEMBROKE PINES
Business Phone: 954-473-5412
Business Opened: 11/12/1999
State/County/Cert/Reg: 8340
Exemption Code:

Rooms | Seats | Employees 2 | Machines | Professionals

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:
ROBERT J BEHAR
6861 SW 196 AVE #302
PEMBROKE PINES, FL 33332

Receipt #04C-22-00056061
Paid 08/04/2023 30.00

2023 - 2024

Financial Stability Statement

RJ Behar has a sound financial base, has demonstrated financial stability, and possesses adequate physical resources to support our mission and the scope of services we provide. The financial base and stability of the company and our ability to provide adequate physical resources are reflected in our financial statements. Our "current ratio is approximately 1.84. Our growth is 20% over the past 3 years. Over the past year, it is about 10% growth over last year's revenue currently. **RJ Behar's** revenue is generated by providing professional consulting services to the State of Florida, municipalities, counties, as well as private clients. These funding sources are adequate to provide financial stability for our company. The stability of **RJ Behar** depends on the CEO's ability to keep accurate records of past and current financial conditions. **RJ Behar** is a financially stable company with an impeccable track record since its inception in 1999. We have never been involved in any prior or current bankruptcy proceedings.

Project Manager's Experience Summary

Mr. Gregory Dover, PE, has extensive experience as Project Manager/Engineer of Record (EOR) and Senior Structural Engineer for numerous bridge projects. His experience includes the design of new bridges, rehabilitation of bridges, including painting and rehab of steel bridges, rehabilitation of bridges over rivers and ocean; design and construction plans for bridges over canals; also design of water structures, roadway signs, retaining walls and platforms for pump stations. Mr. Dover has provided structural inspections for 40-Year Building Structural Recertification, following the Building Department Minimum Inspection Procedural Guidelines of cities. He has provided quality control reviews of Bridge Design Reports (BDR), and construction plans to replace existing bridges. Mr. Dover is knowledgeable of the FDOT guidelines for design and construction codes, regulations, and standards to follow for the construction of concrete and steel bridges. He has also participated in county and city projects. His proactive management and prompt responses are an asset to any client. Mr. Dover is currently working on the following projects: *Port St. Lucie Boulevard from Becker Road to Paar Drive, St Lucie County, Florida – FDOT, District 4; Pedestrian Bridge over the Biscayne Canal, Miami-Dade County, Florida – City of North Miami*

CONTINUING SERVICE CONTRACTS

RJ Behar has ample experience in providing continuing consulting services on a task work order basis for transportation, traffic engineering, general civil engineering, structural, stormwater engineering, municipal engineering, construction engineering and inspection services to governments agencies such as the FDOT, SFWMD, City of Pembroke Pines, City of Hallandale Beach, City of Hialeah, City of Coconut Creek, City of Pompano Beach, Broward County, Miami-Dade County, and Palm Beach County. We have developed procedures and spreadsheets to track and manage the assigned tasks. We provide monthly progress reports of each task with all information and issues that may affect schedules. We have specialized in municipal and public agency clients. We understand the governmental engineering process, the bid process, contract administration and working with city commissions associated with municipal engineering. The key to providing successful municipal engineering service includes being responsive, adapting to performing under short notice, learning to be an extension of the City's Staff, understanding of the City's budgetary constraints, being user friendly, delivering on our promise, working with City council/commission, providing quality products, and being cognizant of budgets and costs.

The **RJ Behar** team offers with this response a qualified group of professionals ready to assist the City with the projects that

could be developed under this contract for **Bridge Design and Miscellaneous Structural Engineering Services, Continuing Contract.**


Seawall Design at Tobie Wilson Park – Town of Medley

STRUCTURES & BRIDGE DESIGN

Our in-house structural design capabilities enable us to provide full design services for our clients. Our structural skills include: *Bridge Design (Minor/Major Bridges; New Bridges And Widening), Bridge Repairs and Complete Rehabilitation (Minor, Major and Bascule Bridges), Bridge Inspections (Minor, Major and Bascule Bridges), Box Culvert and Special Drainage Structure Designs, Mast Arm Design for Traffic Signals, Retaining Wall Systems, Seawalls, Overhead Sign Structures, Water Control Structures, Recreational Structures, Pedestrian Bridges, Pump Stations, Retaining Walls (Permanent and Temporary), Fender Systems and Buildings.* Structural Plans Reviews were provided to the City of Lauderhill. Several projects were reviewed and commented on under this assignment, such as the first 8-unit building to be constructed as part of the Georgetown 320-unit new development.

For the **Town of Medley Seawall Design at Tobie Wilson Park,** our services included field reviews, structural design, plans preparation, bidding assistance, ROW and ERP permitting with SFWMD, USACOE permitting, estimates of probable costs, technical specifications, and construction engineering inspection and management. **RJ Behar** also assisted with the grant preparation.

RJ Behar has provided services to Palm Beach County under our Annual Structures Contract for the past 20 years. **Mr. Jerry Piccolo, PE,** Senior Structural Engineer, has made many especially useful review comments on these projects and has effectively coordinated with the County and the design firms. We have provided cost effective plans for these small projects using photos with comments and sketches. Services have included *Bridge plans, bridge design calculations and bid item quantities were reviewed in detail. The roadway plans were reviewed to ensure that they were consistent with the bridge plans.*

RJ Behar provided structural design plans for McDonald Park Pedestrian Bridge, City of Hialeah, Florida. Services included project management, plans preparation, structural engineering, contract documents, permitting, shop drawing reviews, utility coordination and contract specifications services.

SW 87th Avenue Over Canal C-100

RJ Behar recently completed the bridge design for the project **SW 87th Avenue Over Canal C-100 for Miami-Dade County, Florida.** The scope of services consisted of the design to connect the south and north ends of SW 87th Avenue by constructing a new bridge over the SFWMD C-100 Canal. **RJ Behar** provided project management, design, prepared construction documents and assisted during the construction.

We completed evaluation of structural systems at recreation facilities such as Playground & Recreational Facilities at Betti Stradling Memorial Park, and Boat Ramp at Riverside Park for the City of Coral Springs; Structural Inspection & Survey and Report Services at Charles Deering Chinese Bridge, and Structural Inspection & Survey Metro Zoo Monorail for Miami-Dade County.


Hatton Highway Bridge Replacement

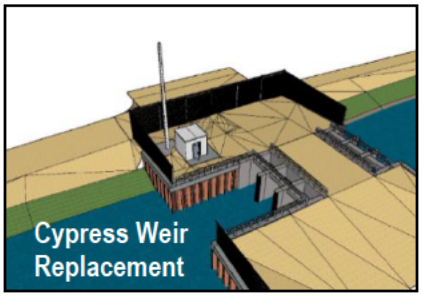
Other structural projects include:

- *Hatton Highway Bridge Replacement over the Pahokee Water Control District's Canal No. 2, Palm Beach County Highway*
- *Drexel Road Bridge Replacement, Palm Beach County*
- *Cypress Weir Replacement, SFWMD*
- *Booster Stations Seawall Repair #1, Town of Medley*
- *Linton Boulevard Bascule Bridge Replacement, Palm Beach County Highway*
- *Miramar Town Center, City of Miramar*
- *5th Street Fire Station Mezzanine, Miami-Dade County*
- *Crandon Park Marina, Miami-Dade County*

Our services include the design of **Miscellaneous Structures FDOT Category 4.1.1**. These have included mast arm evaluations and foundations such as mast arm signal design services at 19 intersection locations throughout the City of Oakland Park, several mast arm replacements in the City of Weston, design of mast arms for the I-95 at 6th Avenue South improvements and many others. Some of the mast arm designs have included special foundations to straddle existing utilities. Miscellaneous structures have also included box culvert designs such as several crossings along the CBWCD N-12 Canal as part of the Pine Island Road improvements for Broward County and a 1,917 ft of a 10' X 5' box culvert as part of the SR-710 (Beeline Highway) improvements. **RJ Behar** has also designed a multitude of sign structures including complex overhead signs.

Other notable projects included:

- *Rehabilitation of the S-310 Navigational Lock of Lake Okeechobee*
- *S-5A Boat Ramp, kiosks, board walk, and sheet piling system*
- *S5A Pump Station Intake Bridge Repairs*
- *S40, S41 and S44 Gate Replacements and Concrete Repairs*
- *Cypress Weir No 1 Replacement*
- *Miramar Town Center Bridge/Culvert*
- *Spanish River Park Structures*



Water Structures Design

RJ Behar has extensive experience working with the City of Fort Lauderdale's Public Works Department on the structural rehabilitation and improvement of reinforced concrete buildings at critical water and wastewater facilities. Our team has successfully delivered multiple projects at the George T. Lohmeyer Regional Wastewater Treatment Facility, including the Pretreatment Building and the Off-Site Deep Injection Wells Control Building, as well as the D36 Sanitary Pump Station. Additionally, we provided design and construction support services for the Fiveash Water Treatment Plant, where we evaluated structural alternatives and developed plans for a new doorway to accommodate transformer replacement. Beyond our work with the City, **RJ Behar** has also completed numerous design and rehabilitation projects for the SFWMD, including spillway refurbishment, the design of water control structures, and pump stations. Furthermore, our team provided structural assessment and rehabilitation design services for the South Broward Drainage District, including evaluation and repair of a pump station control building and full replacement of the building's roof system. Our multidisciplinary team brings practical, detail-oriented solutions tailored to the complexities of water/wastewater infrastructure systems.

Conventional Bridge Inspection

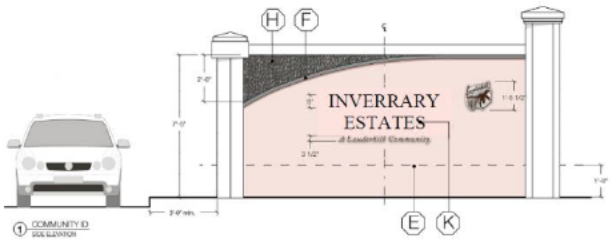
RJ Behar has provided structural inspection and rehabilitation to bridges and other water structures for municipalities, FDOT, Florida Turnpike Enterprises, and SFWMD. The inspections included all the structural elements including piles, abutments, decks, concrete and metal railings. The services included inspection reports with details and sketches of the deficiencies, pictures and recommended repairs and costs. **RJ Behar** was part of a team to inspect, evaluate and provide reports for the **Existing Roadway Conditions Assessment Report (ERCAR) Florida Turnpike Roadside Improvements in St Lucie County**. The project included a roadway, **bridge**, drainage structures, signs, and miscellaneous components. The result of this assessment was a recommendation either for safety improvement or for the application of a variation or exception when criteria were not met. **RJ Behar** developed an ERCAR for a future project to mill, resurface and perform safety upgrades for the existing travel lanes, inside and outside shoulders and paved median openings. The work required a team including roadway, structural and drainage engineers to review all elements of the roadway segment.

RJ Behar was responsible for the **I-95 Bridge Repair from Miami-Dade to the Broward Countyline**. This project, for FDOT, included repair and upgrade of 16 bridges along I-95. The expansion joint seals at each bridge were replaced. The adjacent headers and steel armor angles were repaired as necessary. The project also included structural pile jackets, spall repairs, riprap repairs and a Class V finish. We designed signal mast arm structures for seven interchanges, colored coatings for beam and barrier fascia,

designed cleaning, repaint and anti-graffiti coating for existing noise walls and provided quality control and peer review services for the roadway resurfacing plans. During construction, **RJ Behar** reviewed shop drawings, responded to RFIs, and assisted the CEI in making field decisions regarding the header repairs.

Noise/Sound Barriers

RJ Behar has experience designing privacy walls, MSE walls, and sound barriers for neighborhoods. For the City of Lauderhill, we were responsible for the design of the **Inverrary Estates Privacy Wall**, which consisted of the preparation of construction documents for the construction of approximately 2,750' of an 8-foot prefabricated privacy wall, similar in design and aesthetics as the existing wall west of NW 70th Avenue. The project included the continuation of landscape and irrigation design with a meandering sidewalk design to create landscaping opportunities as well as all related permitting and construction documents for the implementation of all improvements including geotechnical exploration bid and award support. RJ Behar was responsible for project management, design, utility coordination, permitting, cost estimating, and preparation of all construction documents.



We are currently working on the ***Pine Island Road from Nova Drive to Griffin Road Project*** for Broward County Highway Division, which is a complete street project. Evaluations were performed for the implementation of a noise wall along this highly residential neighborhood, as the roadway is being expanded from a four-lane road to a six-lane road. There are several challenges with this project including a wall due to the extensive existing landscape, overhead utilities throughout the project area, and the availability of the right-of-way.

CIVIL ENGINEERING

RJ Behar has extensive experience in in Civil/Site Engineering. We have specialized in municipal and public agency clients. We understand the governmental engineering process, the bid process, contract administration and working with city commissions associated with municipal engineering. The key to providing successful municipal engineering service includes: being responsive, adapting to performing under short notice, learning to be an extension to the City's Staff, understanding of the City's budgetary constraints, being user friendly, delivering on our promise, working with city council/commission, providing quality products, and being cognizant of budgets and costs. **RJ Behar** has been involved in the following types of civil/site engineering projects:

- *Streetscape Planning and Design*
- *City Street Planning and Design*
- *Recreational Facility Design*
- *Design of Sanitary Sewer Systems*
- *Cost Estimating*
- *Water Distribution Design*
- *Structural Engineering*
- *Site Engineering*
- *Traffic Studies*
- *Neighborhood Studies*
- *Streets Resurfacing*
- *Funding Applications/LAP Certifications*
- *Grant Applications*
- *Contract Administration*

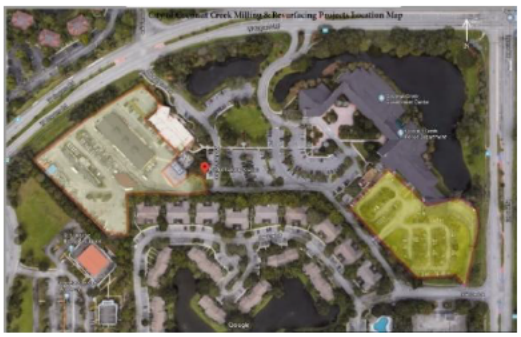
Project examples include:

- City of Hialeah Auxiliary Parking Lot
- JFK Library Parking Lot, City of Hialeah
- City of Laudrdale Lakes Bus Shelters
- Broward College Central Campus


Bus Shelters
City of South Miami

Site Engineering/Planning

RJ Behar provides services in site planning ranging from small scale commercial site planning to master planning for mixed-use projects. We provide the design of paving; drainage, water distribution systems and sanitary sewer systems associated with land development projects. As an example, we provided **Bus Shelter Design** to the **City of South Miami**. **RJ Behar** provided the design of the civil engineering site plans for the installation of bus benches throughout the City. **Mr. Robert J. Behar, PE**, served as the Principal in Charge, responsible for the overall team performance and quality assurance of the different tasks.



Mr. Hans Murzi, PE was the Project Manager/Engineer of Record for the **City of Coconut Creek, Fleet and Parking Lots, Milling and Resurfacing**, in Broward County. The services included plan preparation, quantities and cost estimates. The improvements to each parking lot included the addition of curb to some grass islands, bollards to protect lighting poles, replacing existing sidewalk that was in bad condition, adding root barriers to the trees in the police parking lot, extending the existing concrete ramp at the gate of the police parking lot to make it less steep, providing a new 8' sidewalk on a green area located on the south east corner of the Public Works parking lot, replacing the existing rubber car stops, removing all anchors from the public works parking.

Environmental & Water Resources

RJ Behar's services include ***Environmental Engineering, Water Resources, and Stormwater Master Planning***. We can provide environmental reports, perform assessments, design, construction documents, permitting, and construction administration on any Environmental Project. We have developed expertise in the areas of environmental engineering and water resources and our services in include: *Phase I and II Site Assessments and Remediation Plans; Wetland Mitigation Plans Design; Stormwater Master Planning; Hydrologic-hydraulic and Watershed Modeling; Sustainable Design LEED AP Certifications; Bridge Hydraulics and Scour Analyses; Stormwater Sewer Design; Open Channel Hydraulics/Canal Conveyance/Energy Dissipation; Flood Control and Drainage Studies; Injection Well Design; Highway Drainage; Sanitary Sewer Collection; Best Management Practice Plans; NPDES Permitting for Construction Activities and MS4 Assistance; Preparation of Spill Control and Countermeasure Plans; Stormwater Pump Stations; Gates/Culverts/Spillways Design; Environmental Permitting; Water Quality Modeling; FEMA Assistance; Environmental Permitting; Preparing Environmental Documents for NEPA Compliance; and Dewatering Plans.*

RJ Behar has considerable expertise with water resources projects. Our staff has developed proficiency in the design and analysis of wastewater and water distribution systems. We have designed water and sewer services for commercial sites and our staff has developed wastewater and water distribution plans for citywide systems and to service industrial parks and new communities. We have worked on several significant projects in the City of Hallandale Beach, such as the ***Stormwater Drainage Improvements for Chaves Lake and I-95***, which included a Hydrologic/Hydraulic Study, installation of groundwater monitoring wells, stormwater master plan, and flood control study and implementation plan. **RJ Behar** assisted the **City of Hialeah with the preparation of the stormwater assessment program**, as required by the **Municipal Separate Storm Sewer System (MS4) Permit**. We prepared the water quality monitoring plan, pollutant loadings/evaluation, prepared two Public Education and Outreach Presentations for Illicit Discharges and Use of Pesticides, and prepared a Bacteria Pollution Control Plan. **RJ Behar** assisted the **City of Miami Gardens** with an update to the **Citywide Stormwater Management Master Plan.**

Water & Sewer Design

In the area of water distribution and wastewater collection, we have experience with a general engineering services contract for the Broward County Water and Wastewater Services Department and we participated in the Waterworks program for the City of Fort Lauderdale. In these contracts, **RJ Behar** performed the design of water distribution systems, conversion of septic tank neighborhoods to wastewater collection systems, new pump station design, rehabilitation of existing lift stations, electrical and mechanical evaluations, preparation of Basis of Design Reports, review of master planning documents, evaluation of sites for communication towers, hydraulic analyses and calculations, as well as construction administration and observation services. For Palm Beach County, **RJ Behar** designed the relocation of 1,310 feet of 20-inch water main and 1,299 feet of 16-inch force main relocation as part of the Northlake Boulevard Bridge over the Loxahatchee Slough. The new water main and force main are located on the new bridge. **RJ Behar** prepared all the details and structural design to accommodate the new utilities on the bridge.

Pump Stations

Our experience with pump stations includes both sanitary pump stations and stormwater pump stations. For the SFWMD, we inspected more than 20 stormwater pump stations. These inspections included all the components including civil, structural, mechanical, and electrical systems. The inspection reports also included cost estimates of the necessary repairs. We have been involved in other pump station designs such as the I-95 Stormwater Pump Station for FDOT District 4, the FEMA mitigation stormwater pump station for the City of Hallandale Beach, the Bay Road stormwater pump station for the City of Miami Beach, the U.S. Army Corps of Engineers Pump Station 362 structural evaluation, and the City of Miami Riverview Pump Station New Generator Retrofit. For the Broward County Water and Wastewater Services Division, we completed design for the rehabilitation of two sanitary pump stations as part of the UAZ Zone 303 utility improvements project. **RJ Behar** can provide full support for pump station design including hydraulic design, site design, electrical, mechanical, and structural components.

Permitting Agencies

Our experience with permitting includes all types of projects. In our SR-A1A project for FDOT, we had to permit the project with the Florida Department of Environmental Protection and the United States Army Corps of Engineers. The project was inside the coastal construction control line and included wetland (mangrove) impacts. We designed a mitigation project and coordinated it with a local municipality, which allowed them to enhance an existing park alongside the Intracoastal Waterway. In the project, we also prepared the stormwater pollution prevention plans to comply with the NPDES permitting for construction activities. We prepared the fill and dredge plans, permitting and the mitigation site permitting.

RJ Behar currently serves as one of two firms as District Drainage Engineers (DDE) for the Central Broward Water Control District. As DDE, we review plats, applications for water management work permits, paving and drainage plans, as-built plans, and permit renewal applications for conformance with the District's drainage regulations, standards, procedures, and design criteria. RJ Behar also provides other services including drainage criteria, manual updates, special studies, data collection and monitoring, computer modeling, geographic information systems, master planning, design, permitting, cost estimating, construction inspection services, facilities financing, facilities operations and other services as directed by the District. Permit reviews are conducted and verified against District criteria. We also participate in the District Board Meetings as representative to the District.

RJ Behar's experience also includes the construction inspection and supervision of wetland and fill & dredge activities. We performed those services for the SFWMD at the **Deering Estates Flow-way Project**, which included construction of a man-made wetland for educational purposes. We also inspected the **Southern Crew Imperial River Restoration Phase 1 and 2**. Restoration activities included regrading existing filled and agricultural areas, filling ditches, and removing berms in accordance with the proposed restoration plan. The completed project provided shallow foraging habitat in the freshwater marsh areas and gentle side slopes on the deep-water depressions for tactile feeder wading birds, specifically the Wood Stork, white ibis, and roseate spoonbills. Additionally, the plan provided and maintained the existing Panther habitat. Existing Cypress areas remained, and exotic vegetation was removed.

Utility Coordination

We have experienced personnel ready to identify utility facilities and secure agreements, utility work schedules, and plans from the Utility Agency Owners (UAO) ensuring that no conflicts exist between utility facilities and the project. We will certify that all utility negotiations have been completed with arrangements made for utility work to be undertaken. We are familiar with the standard procedure involving a kick-off meeting, identifying all the Utility Agency Owners (UAOs) by means of a Sunshine One-Call Design Ticket, performing the initial contact (send plans and request mark-ups), second contact - send phase II plans and initiate the "utility design" to resolve conflicts, third contact - then request and review all utility agreements to make sure they conform to the design requirements. There may also be instances when "Utility Exceptions" are required when the UAO's facilities do not conform to one (or more) of the AASHTO's 13 controlling elements; our staff also has experience coordinating these with the UAOs. We will also conduct the utility design meeting to ensure that the proposed utility relocations conform to the plans. Although the key points of the utility coordination have been mentioned, our staff has been through the entire utility procedure for every design project.

RJ Behar will identify any utility in conflict with the proposed improvements and make every effort to avoid relocation, although this may not be feasible in all cases. Our **Team** will work closely with these utility owners to ensure that any relocation schedules are completed according to project's schedule. The Subsurface Utility Engineering (SUE) effort is essential to identifying any utility conflicts and will be undertaken as soon as all the existing utility information has been collected and the proposed improvements laid out.

Our approach includes: 1) obtaining all the utility information for the owners, 2) meeting with the utility owner's representative to address any pending issues as necessary, 3) obtaining accurate utility information, 4) coordinating required utility relocations and 5) obtaining utility clear letters from the utility owners who are not affected.

ELECTRICAL ENGINEERING

RJ Behar has also developed expertise in electrical and mechanical systems. Our team has the capabilities to design high voltage power distribution, and electrical design for commercial and residential facilities, as well as lighting systems. We can also perform electrical inspections of existing facilities and assist with projects during construction. In the area of mechanical design, we have experience with pump stations, ventilation systems, water control gates and joisting systems. **RJ Behar** provided project management, civil, electrical, mechanical, and structural engineering inspection services for 31 culverts, 13 pump stations, 13 spillways and 2 weirs as part of the **Structure Inspection Program (SIP)** for the SFWMD. The inspection reports also included estimates of costs for the repairs.

Hook Square Pump Station Rehabilitation

Other projects include:

- *Pedestrian Lighting Design,*
- *Cypress Weir*
- *North Region SIP Inspections*
- *SIP Non-STA Structures*
- *Donaldson Park Lighting Design*

Some samples of electrical design projects include:

- *Riverview Pump Station New Generator, Fire Suppressant and Main Switch Disconnect, City of Miami*
- ***Hook Square Pump Station Rehabilitation – City of Miami Springs***
- *Pedestrian Lighting Design along Coconut Parkway, Coconut Creek*
- *Public Works Surface Water License Modifications and Parking Lot Design – City of Hallandale*
- *Inverary Estates Privacy Walls Electrical Design of Irrigation Pumps*
- *City of Miami Riverview Stormwater Pump Station New Generator*
- *Copans Road Wastewater Transmission System New Magnetic Flow Meter*
- *FEMA Mitigation Stormwater Pump Station, City of Hallandale Beach*
- *West Avenue/Bay Road Neighborhood Stormwater Pump Station, City of Miami Beach*
- *I-75W2 Control Structure Electrical and Mechanical Design, SFWMD*

TRANSPORTATION/TRANSIT

Transportation Engineering was the foundation of **RJ Behar**. In approaching all transportation planning projects, we integrate the land use issues and transportation relationships to provide the proper balance between the travel modes and the operation of the facility, taking into consideration the social, environmental and engineering constraints, and available funding to provide innovative and practical solutions for our clients. We also recognize the importance of involving the public throughout our planning process to obtain meaningful solutions, which increases our chances towards a successful project. We strive to develop smooth flowing, pedestrian friendly transportation solutions for all our clients. We provide transportation engineering design services in the following areas: *Urban Roadway Design; Rural Roadway Design; Freeway Design (Limited Access Facilities); Intersection Improvement Design; Resurfacing Street Design; Pavement Marking and Signing Plans; Signalization Plans; Lighting Plans; Utility Coordination; Drainage Design and Permitting; Culvert Designs; Embankment earthwork calculations; and Public Involvement.*

Some samples of transportation planning services include:

- *NW 8th Street at Hallandale Beach Boulevard*
- *Transportation Master Plan, Traffic Counts, City of Hallandale Beach*
- *Palm Avenue Master Plan, Hialeah*
- *NW 7th/9th Connector Study, Fort Lauderdale*
- *NW 13th Street Master Plan, Fort Lauderdale*
- *US-1 Busway Study, Miami-Dade*
- *Gratigny Parkway Feasibility Study, Opa-Locka*
- *I-95 Downtown Feasibility Study*
- *Flagler Street Master Plan, Miami*
- *E. 1st Avenue Master Plan, Hialeah*

Traffic & Traffic Operations Engineering:

RJ Behar can perform transportation studies for arterials and corridor networks. Traffic flow theory is utilized to analyze individual elements of the transportation system. We integrate non-motorized and motorized traffic in the analysis of both land development projects as well as traffic management projects. The types of traffic engineering services available include *Signal Warrant Studies, Traffic Impact Studies, Traffic Safety Studies, Traffic Operations Studies, Traffic Circulation Studies for Parking Lots and Neighborhoods, Traffic Calming Studies, Origin/Destination Studies, Queuing Analysis, Traffic Forecasting, Speed Studies, Traffic Data Collection, and Pedestrian Studies.*

Traffic Planning:

RJ Behar has developed extensive expertise in transportation planning and traffic engineering. We have become very familiar with the Manual of Uniform Traffic Control Devices (MUTCD), The Florida Greenbook, Florida Department of Transportation Standards, American Association of State Highway and Transportation Officials (AASHTO), The Miami-Dade County Land Development Code and many City Code Ordinances. Additionally, **RJ Behar** owns data capturing equipment and has in-house trained staff to collect and process traffic volume data. We can perform traffic volume counts, speed studies, turning movement counts, vehicle classification studies and vehicle cut-through analysis. These traffic data gathering services are performed by our staff and do not require the involvement of a third party subconsultant. This allows us flexibility and the ability to respond to our clients request for these services efficiently and on short notice. We have state-of-the-art computer equipment and all the latest engineering software to produce any necessary traffic plan including Synchro, CORSIM and TSIS, McTRANS HCS+T, TRAXPro, Cube 5, PETRAPro, and TCU.

Roadway Design

RJ Behar began as a roadway design firm and our primary expertise was roadway design, and most of our other areas of expertise came by way of this or by supplementing our roadway design capabilities. **RJ Behar** has developed significant expertise in the Transportation Planning and Traffic Engineering fields. We are remarkably familiar with all applicable policies, guidelines, regulations, and standards within these disciplines. **RJ Behar** was responsible for the final design of the reconstruction of a segment of NE 151st Street from west of US 1/SR 5 to Bay Vista Boulevard within the City of North Miami. NE 151st Street is primarily an east-west urban arterial, Miami-Dade County owned roadway, with a design speed of 40 mph. The proposed improvements provided an east-west roadway east of US 1. We were responsible for the roadway design, drainage design, signing and pavement markings, signalization, lighting, a 4-foot bicycle lane in both directions, wetland assessment, contamination assessment and overall utility coordination. NE 151st Street is an off-system roadway bound by the Florida Greenbook, for its design criteria. The scope of this project included a wetland delineation/assessment and contamination assessment. The drainage design for the project included a series of interconnected French drains with drainage wells. The design was especially challenging because of the presence of contamination in several parts of the project. The project was permitted by the SFWMD, the Miami Dade DERM and the USACOE.

RJ Behar is very aware of the features that a complete street may include, which are sidewalks, bike lanes (or other innovative bicycle facilities), special bus lanes, comfortable and accessible public transportation stops, frequent and safe crossing opportunities, median refuges, accessible pedestrian signals, landscaped curb extensions, bioswales, roundabouts, on-street parking, and secure bicycle parking, among others.

The RJ Behar Team is uniquely qualified to perform designs for complete streets. We have been using the same principles of the Complete Streets Guidelines in many of our projects. **Mr. Robert Behar was an original member and helped developed the American Society of Civil Engineers (ASCE) publication, Context Sensitive Highway Design Principles and he is currently a voting member of the Advisory Committee for the development of the Florida Green Book.** The Context Sensitive Highway Design Principles is a collaborative, interdisciplinary approach, involving all stakeholders, to ensure

that transportation projects are in harmony with communities and preserve environmental, scenic, aesthetic, and historic resources while maintaining safety and mobility. These principles were used in our following projects:

- *Powerline Road, Boca Raton – FDOT, District 4*
- *SR-A1A, Boynton to Lake Worth – FDOT, District 4*
- *Pine Island Rd. from Griffin to Nova Dr – Town of Davie*
- *NW 44th Street – City of Lauderdale Lakes*
- *SR-7/US-441 Lighting Plans – City of Lauderhill*
- *Miami River Greenways – City of Miami*
- *Broward County Greenways Master Plan – Broward County*
- *NE 15th Avenue Streetscape – City of Fort Lauderdale*
- *Palmetto Greenways – City of Boynton Beach*

Signing, Pavement Marking, Channelization:

This scope of work is included in all our roadway/highway projects. We conduct field reviews, review the approved preliminary engineering report, typical section package, traffic technical memorandum and proposed geometric design alignment to identify proposed sign placements and roadway pavement markings and perform queue analysis for all turning lanes. The signing and marking design file will include all necessary design elements and all associated reference files. The FDOT Multi-post Sign Program is executed for Multi-post signs and the sign layout, letter size and series are determined for non-standard signs. The plans preparation includes a set of signing and pavement marking plans in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current FDOT design memorandums. The plans included Key Sheet, quantities, general notes, layout, plan sheets, typical details, guide sign work sheets, required cross sections, and any special details. Quantities and cost estimates are performed at all phase submittals.

GIS Database/CADD Design Capability

RJ Behar has the latest version of ArcView GIS computer software. Our staff will be able to prepare maps and update the GIS data for the City. Furthermore, **RJ Behar** is very familiar with providing deliverables in CADD and GIS format. All our deliverables for the FDOT are provided in Microstation format and to very stringent CADD standards.

CONSTRUCTION MANAGEMENT AND INSPECTION ENGINEERING

RJ Behar offers a full range of construction engineering services varying from providing Construction Engineering & Inspection (CEI) to providing on-call site engineering services for land development and municipal projects. Our proposed team members are all trained and certified through the FDOT Construction Training and Qualification Program Administration (CTQP) Program. They are familiar with the required contract provisions for construction contracts including all monitoring and reporting requirements, and contract and project billing documentation. **RJ Behar** provides both infrastructure inspection as well as building inspection services. Our construction management team includes licensed Threshold Inspectors. We are familiar with the required contract provisions for Federal-Aid construction contracts, including all monitoring and reporting requirements, contract and project billing documentation, and ensuring accurate and timely Local Agency reimbursement through FDOT. We have an in-house Senior Resident Compliance Specialist who handles all aspects of Davis-Bacon, EEO, OJT, wage, and salary, etc.

The key to our success in providing contract administration services includes *Proper interpretation of the construction bid documents; Maintaining detailed documentation throughout the Construction; Documenting change orders and quantity revisions, Documenting changes in field conditions, and Being Responsive.*

RJ Behar provided Construction Engineering and Inspection Services for **SE 15th Avenue Bridge Replacement Construction Engineering Inspection, LAP Project** for the City of Fort Lauderdale. The project scope included the complete replacement of the SE 15th Avenue Bridges that cross over the Marchetta River Bridge (No. 865766) and Carlotta River Bridge (No. 865767). The improvements included full bridge demolition and replacement, including a class 5 concrete finish coating on all exposed concrete surfaces, new traffic railing barrier with aluminum pedestrian-bicycle railings along both sides, bridge deck grooving, minor roadway reconstruction, milling and resurfacing, pavement marking and signage, slope stabilization, new utility relocations, lighting, and landscaping modifications. **RJ Behar** provided full CEI services including monitoring and reviewing all the federally required documentation. This was a **Local Agency Program (LAP)** construction project between the City of Fort

Lauderdale and the FDOT, District 4.

RJ Behar is knowledgeable with the current FDOT programs such as site manager, payment tracking system, contract information and monitoring, MAC, GAP, and PSSP. Our Team has developed tracking templates and logs, which will assist in providing direction to the team and set the expectations for the project. We have the knowledge of administering projects in many areas including preconstruction submittals, pre-activity meetings, shop drawing submittals, permit monitoring, material certification, RFI's, Notice of Intent (NOI), monthly estimates, and weekly/monthly documentation submittals. In addition, our internal SharePoint server is available on all team member cellphones, tablets, and laptops. The importance of timely documentation of unforeseen developments and experience to direct the contractor in accordance with standard industry practices is key in the success of this project. The City's PM will be kept informed of all critical issues that may impact public safety, affect monetary aspects, or have potential to influence timely completion. We are fully committed to delivering effective and innovative engineering services to the Department for this contract and are more than ready for the opportunity to work together.

Vanderbilt Office Property
25 Year Inspection

Soffits Replacement and T4 Curbside Canopy FLL International

Threshold Inspections are performed in accordance with a structural inspection plan prepared by the structural engineer or architect of record. These inspections are a law in Florida and are part of the Florida Statute under section 553.71. The definition of a threshold building is any building which is greater than 3 stories or 50 feet in height, or which has an "Assembly" occupancy classification that exceeds 5,000 sq. ft. in area and an occupant content of greater than 500 persons. In addition, the owner of a building which does not meet these minimum requirements may designate his building as a threshold building, subject to more than the minimum number of inspections required. To perform these inspections, you need a licensed engineer or architect with a certification as a "Special Inspector" of threshold buildings and the Board of Professional Engineers and of Architects has a list of all these inspectors. **RJ Behar** has provided threshold inspections in some of its contracts, including:

- *Vanderbilt Office Property – 25 Year Inspection – Broward County*
- *Spanish River Athletic Facility (formerly Countess de Hoernle Park) – City of Boca Raton*
- *Peters Elementary School – Threshold Inspection – Broward County*
- *40 Year Certification of 7960 Johnson Street, Pembroke Pines*
- *40 Year Certification of 225 Washington Avenue, Miami Beach*

Spanish River Athletic Facility

GRANT EXPERIENCE/FEDERALLY FUNDED PROJECTS

RJ Behar has experience working on Community Development Block Grant (CDBG) projects. We have completed several projects following these guidelines. We are very familiar with the requirements. The construction drawings need to comply with state and federal guidelines with respect to the American with Disabilities Act (ADA), as well as all local and county engineering requirements. **RJ Behar** was the Engineer of Record on the following CDBG projects:

- *NW 2nd Avenue from NW 4th Street to NW 5th Street – City of Hallandale Beach*
- *NW 9th Street, NW 2nd Avenue to N Dixie Highway – City of Hallandale Beach*
- *NE/NW 13th Street Streetscape – City of Fort Lauderdale*
- *NE 15th Avenue – City of Fort Lauderdale*
- *NW 44th Street Streetscape – City of Lauderdale Lakes*
- *Palm Avenue Streetscape – City of Hialeah*
- *W. 74th Street – City of Hialeah*
- *W. 33rd Street – City of Hialeah*
- *E. 1st Avenue – City of Hialeah*

Local Agency Program (LAP)

RJ Behar assisted several municipalities in obtaining FDOT certification for Local Agency Program (LAP) funding of capital projects. During the **last 18 years, RJ Behar has successfully completed 191 federally funded projects** administrated by the Federal Highway Administration (FHWA); Broward County Office of Economic Small Business Development (OESBD); Broward County Aviation Division (BCAD) with Federal Aviation Administration (FAA) and Federal Transportation Administration (FTA) funds; FDOT Local Agency Program (LAP) and American Recovery and Reinvestment Act (ARRA) funded projects. These projects have included all the parameters requested in this RFQ such as Davis-Bacon & Copeland Anti-kickbacks Act, Buy America, Monthly DBE Utilization Reports, EEOC Compliance, On-the-Job Training Requirements,

Certified Payrolls, etc.

Our proposed team members are familiar with all the required contract provisions for Federal-Aid construction contracts, including all monitoring and reporting requirements, contract and project billing documentation, and ensuring accurate and timely Local Agency reimbursement through FDOT. The team selected for this contract possesses the experience required under the Grant Application Process or "GAP" requirements. This experience allows us to integrate multiple disciplines together and streamline our project staffing needs, thereby allowing us to reduce the overall number of project personnel needed, while still effectively managing the needs of the project for the City offering an added value of project savings to our clients. Some of the compliance monitoring responsibilities include:

- *Ensuring the correct wage table is in contract and posted on the job site,*
- *Ensuring the contractor is paying the employees on a weekly basis,*
- *Ensuring payrolls are submitted timely,*
- *Assuring the Contractor complies with wage requirements,*
- *Checking payrolls to ensure accuracy, and that the workers are paid their due wages, including overtime pay,*
- *Ensuring no illegal deductions or "kickbacks" have been taken,*
- *Ensuring compliance with FHWA 1273 regulations, and with the Davis Bacon Act,*
- *Conducting monthly reviews of the Job-site Bulletin Board*
- *Attending/Participating in all compliance audits by FDOT's Oversight Consultant*
- *Maintaining project documents and files are up to date and current, and in accordance with the FDOT requirements and final submittals.*

Bidding Services

RJ Behar has provided bidding assistance on municipal design projects. As the Engineer of Record, we check for the following:

- *Contract bid imbalances,*
- *Check that the bids will provide fair unit prices,*
- *Provide background checks on the successful bidder.*

Cost Estimates

RJ Behar performs cost estimates on all our design projects. We were selected to provide cost estimating services for the City of Sunrise. Under that contract, we performed cost estimating for park facilities, building improvements, roads, sports complexes, and schools. In our Construction Management Department, we constantly review construction cost estimates for change orders and contract modifications and perform our own estimates for validating the contractor's proposals. Similarly, we have prepared cost estimates for the SFWMD for many structure and water resources projects from new construction to rehabilitation. We utilize cost data from different sources and, in addition, keep our own cost data from the projects in which we are involved. **Many members of RJ Behar's Staff have performed cost-estimating services, especially the senior staff.**

City Meetings/Public Presentations

In many of our projects, we need to interact with the public. We make ourselves available to meet in the public's best scheduled hours and at their preferred locations. We have performed public information programs for the FDOT on our highway projects. We can prepare materials for presentations including digital presentations, boards, handouts, etc. and have scheduled public meetings, workshops, and meetings with officials, politicians, and public. In our previous projects, we have collaborated with staff members from different departments, service centers, constructions, operations, etc. and have successfully completed tasks in close coordination with staff.


Pine Island Road – Public Meeting

We have prepared Community Awareness Plans and Public Involvement Plans for sensitive projects. These plans identify the project stakeholders, community representatives, and City, County, and local officials. The plan also identifies the need for meetings, whether individually, in groups, or public meetings/workshops and the action plan. These meetings should then be included as part of the project schedule.

RJ Behar offers the City of Fort Lauderdale a team of expertly qualified professionals to perform on this Request for Qualifications to provide Bridge Design and Miscellaneous Structural Engineering Services Continuing Contract.

CLIENT:
Miami-Dade County
Department of Transportation and Public Works
Engineering, Planning and Development
701 N.W. 1st Court, Suite 1500,
Miami, Florida 33136

Jacqueline Alcina, P.E
Project Manager
Tel: 786-469-5325
Email: Jalcina@miamidade.gov

RJ BEHAR'S ROLE:
Bridge and Roadway Design

PROJECT STARTED: *7/06/21*
PROJECT COMPLETED: *8/2022*
COST/FEES PAID: *$454,780*
CONSTRUCTION COST: *$4,992,394*
M-DC PROJECT #: *20210098*
PROJECT LENGTH: *1,168.95 LF/ 0.221 miles*

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Juan H. Vazquez, PE, PH, BCEE
Project Manager

Jose Peña, PE
Sr. Structural Engineer/EOR

Jossmel Cruz-Garcia, PE
Structural Engineer

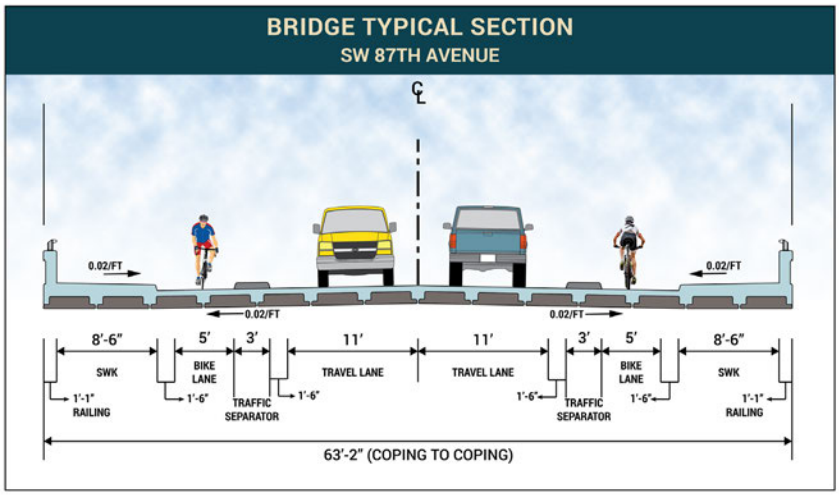
Antonio Guell,
Senior Structural Designer

Paola Riveros, PE
Roadway Engineer

Carmelo Ramos, PE
Bridge Lighting design

Miami-Dade County determined the need to connect the south and north ends of SW 87th Avenue by constructing a new bridge over the South Florida Water Management District (SFWMD) C-100 canal. The proposed bridge is located along SW 87th Avenue between SW 163rd Terrace and SW 164th Street and will carry both vehicular and pedestrian traffic. RJ Behar & Company, Inc. was selected to provide project management, design, prepare construction documents and assist during the construction.

The proposed 2-lane urban typical section for SW 87th Avenue included 2-3' raised separators, 2-5' bike lanes, 2-8' sidewalks and 2-12' lanes. The total width of the typical section is 60' wide. The existing right-of-way is approximately 80' with two 10' lanes with grass shoulders and swales and sidewalks on each side. The new bridge will carry the same proposed roadway section and add traffic railings at each side for a total width of 62'-2". The roadway has a straight horizontal alignment and was designed with a vertical curve meeting the requirements of the Florida Greenbook.



CLIENT:
South Florida Water Management District

Mr. Ashie Akpoji, PhD, PE
Project Manager
3301 Gun Club Road
West Palm Beach, Florida 33416
Tel: (561)682-2571
E-mail: aakpoji@sfwmd.gov

RJ BEHAR'S ROLE:
Civil, electrical, structural and mechanical design.

PROJECT STARTED: *2/06/2019*
PROJECT COMPLETED: *2/2021 (Design)*
PROJECT COMPLETED: *1/04/2022 (Construction)*
COST/FEES PAID: *$366,700*
CONSTRUCTION COST: *$4,347,000*
PROJECT #: *4600003087-WO14*
CHANGE ORDERS: *$5,000*
TIME EXTENSIONS: *None*

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Juan H. Vazquez, PE
Project Manager

Jose Peña, PE
Structural Engineer/Engineer of Record

Jossmel Cruz Garcia, MS, PE
Structural Designer

Hans Murzi, PE, CFM
Hydraulics Engineer

Carmelo Ramos, PE
Electrical Engineer

Reynaldo Orozco, PE
Electrical QC

Hector Rosario, EI
Project Engineer

R.J. Behar & Company, Inc. (RJ Behar) was contracted by the South Florida Water Management District (SFWMD) to design a project to relocate Cypress Canal Weir #1 (GOLD4A) Project. The new project included the construction of a new, locally and remotely operated, water control structure in the new alignment of the Cypress Canal, approximately 1,275 ft east and 270 ft south of the existing weir. This project originated as part of the Big Cypress Basin (BCB) Capital Prioritization initiative that supports the BCB 2018-2023 Strategic Plan for retrofitting old inefficient water control structures and building new structures to meet current or future design conditions. The structure will be located at the northwest corner of 23rd Street NW and the Cypress Canal, one block east of the existing weir.

The replacement structure was based on SFWMD design and construction guidelines. The new structure included three new slide/weir gates, a three-cell box culvert to be used as a bridge, new stilling wells, a 10 ft x 10 ft control room, communications and miscellaneous appurtenances. The bridge was left at 24 ft wide.

The site design included access, site geometry, both vertical and horizontal, grading, riprap protection, drainage and the AutoTURN software was executed to the site layout using an AASHTO BUS-40 vehicle and a WB-40 truck to simulate the SFWMD 55-ton crane. The site also included site signs and fence systems for security.

The drainage analysis included the sizing of the stormwater swales, which were designed as dry swales (1 ft above the canal-maintained water level of 9.2 ft = 10.2 ft (NAVD 88)). The swales will provide the required water quality volumes to treat the new additional impervious areas and attenuation of the predevelopment flows for a 25-yr, 3-day storm. A raised ditch bottom inlet with a V-notch weir will provide the attenuated volume design. An 18-inch culvert will provide overflow discharge to the new canal. Outlet erosion protection (riprap) was provided at the pipe outlet, as requested by the District.

CLIENT:
City of Oakland Park
Engineering & Building Services
5399 N. Dixie Highway, Suite 3
Oakland Park, FL 33334

Ms. Charlene Montgomery
Senior Project Manager
Tel:954-630-4426
Email:
charlene.montgomery@oaklandparkfl.gov

RJ BEHAR'S ROLE:
Project Management, Cost Estimates, Specifications, Utility Coordination, Signalization Plans, Structural Engineering, Signing and Pavement Markings, Traffic Control Plans, and Drainage Modifications

PROJECT STARTED: *8/1/2022*
PROJECT COMPLETED: *Ongoing*
COST/FEES PAID: *$611,200*
CONSTRUCTION COST:
$3,000,000 (Est).

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Paola Riveros, PE
Project Manager

John Izquierdo, PE
Traffic Engineer

Joyce Ledan, EI
Project Engineer

Nanette Akyaz-Gomez, LEED AP ND
Designer

Jossmel Cruz Garcia, PE
Structural Engineer

Esteban Aldana
Structural Designer

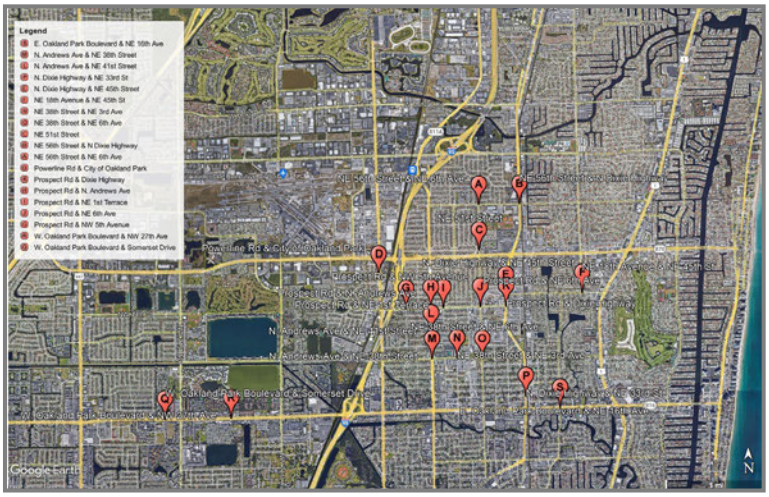
The City contracted R.J. Behar & Company, Inc. to provide professional services for mast arm signal design services at 19 intersection locations throughout the City. The project is funded via Broward County Surtax and it includes upgrades and conversion from span wire assemblies to mast arms signals.

Coordination includes the City, FP&L, FDOT and FXE railroad. An FDOT Permit submittal was required at:

- *SR-816/Oakland Park Boulevard at 1) Somerset Drive, 2) NW 27th Avenue, 3) NE 16th Avenue*
- *SR-845/Powerline Road at City of Oakland Park Fire Station 20 (Mid-Block Signal)*
- *SR-811/Dixie Highway at 1) NE 56th Street, 2) 1000 NE 51st Street (Mid-Block Signal), 3) NE 45th Street (Floranda Rd.), 4) NE 33rd Street.*

Mast arm signal design for 19 intersections

- *NE 56th Street & NE 6th Avenue*
- *NE 56th Street & N Dixie Highway*
- *East to West Span at NE 51st Street (Mid-Block Signal)*
- *Powerline Road & City of Oakland Park, Fire Station No. 20 (mid-Block Signal)*
- *N. Dixie Highway & NE 45th Street (Floranda Rd)*
- *NE 18th Avenue & NE 45th Street (Floranda Rd)*
- *Prospect Road & NW 5th Avenue (Mid-Block Signal)*
- *Prospect Road & N. Andrews Avenue*
- *Prospect Road & NE 1st Terrace*
- *Prospect Road & NE 6th Avenue*
- *Prospect Road & Dixie Highway*
- *N. Andrews Avenue & NE 41st Street*
- *N. Andrews Avenue & NE 38th Street*
- *NE 38th Street & NE 3rd Avenue*
- *NE 38th Street & NE 6th Avenue*
- *N. Dixie Highway & NE 33rd Street (Mid-Block Signal)*
- *W. Oakland Park Boulevard & Somerset Drive*
- *W. Oakland Park Boulevard & NW 27th Avenue*
- *E. Oakland Park Boulevard & NE 16th Avenue*



CLIENT:
Palm Beach County
Department of Engineering &
Public Works Division of
Roadway Production
2300 North Jog Road
West Palm Beach, Florida 33411
Tel: (561) 684-4150
Fax: (561) 684-4166

Carlos Bojorge, PE
Project Manager, Roadway
Production Division
Tel: (561) 684-4126
Email: cbojorge@pbc.gov

RJ BEHAR'S ROLE:
Structural Design & Permit Reviews

PROJECT START: *12/07/2004*
PROJECT COMPLETE: *Ongoing*
COST/FEES PAID: *$6,150,000 as of 3/15/2025*
CONSTRUCTION COST: *$60,0000,000 (Estimate)*

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Jerry Piccolo PE
Senior Structural Engineer

Gregory Dover, PE
Senior Structural Engineer

Jossmel Cruz Garcia, PE
Structural Designer

Gerrad Nazaire, PE
Structural Engineer

Esteban Aldana, EI
Structural Designer

R.J. Behar & Company, Inc. (RJ Behar) was contracted by Palm Beach County to provide structural engineering services on an as-needed basis. These services will include structural engineering design of new facilities and repairs of existing facilities, structural inspections and/or evaluations of existing structures and evaluations of conditions on structural engineering construction projects designed by others. The exact scope and schedule are to be established on a project-by-project basis.

Congress Avenue Bridge over L-14 Canal

Lawrence Road Bridge over Boynton Canal

Linton Boulevard Bascule Bridge

NORTHLAKE BOULEVARD BRIDGE OVER THE LOXAHATCHEE SLOUGH
PALM BEACH COUNTY, FLORIDA

CLIENT:
Palm Beach County
Department of Engineering
& Public Works Division of
Roadway Production

Mr. Morton Rose, PE
2300 North Jog Road
West Palm Beach, Florida 33411
Tel: (561) 684-4150
Fax: (561) 684-4166
E-mail: mrose@pbcgov.org

RJ BEHAR'S ROLE:
Bridge design, drainage design, roadway improvements, permitting, post design services

PROJECT START: *10/2005*
PROJECT COMPLETE: *11/2010*
CONST. START: *07/2011*
CONST. COMPLETE: *10/2013*
COST/FEES PAID: *$478,208*
CONST. COST: *$2,200,000*
PBC PROJECT NO.: *2004608*
PROJECT LENGTH: *0.349 miles/bridge .007 miles*
EVALUATION GRADE: *95*

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Sean O'Keefe, PE
Project Manager

Juan H. Vazquez, PE, PH, BCEE
Drainage Engineer

Jerry Piccolo, PE
Structural Engineer

Jasmani Riveron, PE
Project Engineer

R.J. Behar & Company, Inc. (RJ Behar) developed the design for the new Northlake Bridge crossing over a proposed canoe and wildlife crossing, connecting the City's southern and northern Water Catchment Areas. This innovative project was jointly funded by The City of West Palm Beach, Palm Beach County (Environmental Resource Management) and South Florida Water Management District. The innovative project is one important step in the process to rehydrate and biologically restore 10,000 acres of the historic Loxahatchee Slough, adjacent to the Grassy Waters Preserve in the City of West Palm Beach Water Catchment Area. This project is one phase of the Loxahatchee Slough Ecosystem Restoration program, a fundamental program in the Comprehensive Everglades Restoration Program (CERP).
The project helped satisfy four important environmental goals:

- *Replenish water supply to the Loxahatchee Slough;*
- *Provide additional flood control;*
- *Provide a vital wildlife crossing of Northlake Boulevard; and*
- *Provide a canoe trail (for recreational use).*

The City attempts to maintain water levels in the wetlands at an average of 18 to 24 inches, which is an average wet season water elevation of approximately 18.2 and dry season of 17.8 National Geodetic Vertical Datum (NGVD). The water (approximately 695 million gallons) is used for drinking water supply and environmental purposes. The prairie, marsh and man-made canals attract a wealth of wildlife in the natural wetland setting year-round.

RJ Behar worked with the City and District engineers to model the northward flows to provide the right size and location of the bridge opening to enable 300 cubic feet per second of water flow to the Loxahatchee Slough. The design provided for sensitive construction including constructing a Northlake bridge, upstream control structure and weir, some 100 to 500 feet of canal, embankment, restored wetlands and protection for the natural cypress heads south of Hog Island. The project also involved over a quarter mile of roadway improvements along Northlake Boulevard to enable the waterway, wildlife, and canoe crossing. RJ Behar was responsible for obtaining all the permits from the USCOE, USF&W, FDEP and all participating agencies.

CLIENT:
Michael Bailey, PE
Utilities Director
City of Pembroke Pines
8300 South Palm Drive
Pembroke Pines, FL 33025
Tel: 954-518-9073
E-mail: mfbailey@ppines.com

RJ BEHAR'S ROLE:
Structural and Electrical 40 Year Inspection and Certification

PROJECT STARTED: *6/21/23*
PROJECT COMPLETED: *7/21/23*
COST/FEES PAID: *$15,428.00*
CONSTRUCTION COST: *N/A.*
CHANGE ORDERS: *N/A*
TIME EXTENSIONS: *N/A*

RJ BEHAR'S KEY PERSONNEL:
Juan H. Vazquez, PE, PH, BCEE
Principal in Charge

Carmelo Ramos, PE
Electrical Engineer

Greg Dover, PE
Senior Structural Engineer

Jossmel Cruz Garcia, PE
Structural Engineer

R.J. Behar & Company, Inc. (RJ Behar) was contracted by the City of Pembroke Pines to conduct a 40-year inspection and certification of a control building at 7960 Johnson Street is located within the City of Pembroke Pines Water Treatment Plant.

The scope of work included:
For the 40-year certification, inspect the life/safety components of the building (structural and electrical) and provide the certification form.

1. *Structural Inspection:*
   a. *Conduct a buildings structural vulnerability inspection of the visual and accessible areas only.*
2. *Electrical Inspection:*
   a. *Visual inspection of primary electrical systems such as main power distribution, etc.*
   b. *Visual inspection of secondary electrical systems such as lighting, receptacles, lightning protection, and conduits.*
3. *Inspection Report (Structural and Electrical)*

Provide an inspection report, indicating the deficiencies found (if any) of the building structural and electrical systems, elements, and miscellaneous components. RJ Behar also included preliminary recommendations for retrofits or repairs of the deficiencies found, including a preliminary estimate of probable construction costs. A digitally signed and sealed report for structural and electrical was delivered, including the certification form.

The inspection followed the guidelines of the Broward County Board of Rules and Appeals Building Safety Inspection Report Form.

CLIENT:
Palm Beach County
Department of Engineering
& Public Works Division of
Roadway Production
2300 N. Jog Road, 3rd Floor, West
West Palm Beach, Florida 33411

Mr. Morton L. Rose, PE
Director Roadway Production
Tel: (561) 684-4000
Fax: (561) 684-4050
E-mail: mrose@pbcgov.org

RJ BEHAR'S ROLE:
Roadway design, structural engineering, and permitting.

PROJECT STARTED: *2/4/2021*
PROJECT COMPLETED: *4/2024*
COST/FEES PAID: *$93,500*
CONSTRUCTION COST:
$1,342,839 (Estimated)

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Jerry Piccolo, PE
Quality Control

Gregory Dover, PE
Senior Structural Engineer

Jossmel Cruz Garcia, PE
Project Engineer

Palm Beach County's Roadway Production Division has determined to replace and upgrade the existing bridge railing at the Linton Blvd Bascule Bridge in Delray Beach, Florida.

The scope of work includes:

- *An inspection of the bridge to evaluate the actual conditions and as-built dimensions of the sidewalk brackets.*
- *Perform a new load rating and special inspection. This effort requires structural analysis of each member that is being rated to calculate the loads and capacity.*
- *Bridge Balance Test and Analysis.*
- *New Bridge railing design. The proposed railing system and sidewalk brackets will weigh less than the existing to avoid strengthening of the existing main girders. To ensure that the proposed railing system and sidewalk brackets will weigh less than the existing, the VGAN 300 series aluminum traffic railing by Varley and Gulliver Ltd was proposed. Also, a sidewalk top surface of aluminum plate (½" thick) with a roughened (gritty) top surface plate, was proposed. New sidewalk brackets will be designed that fit the proposed railing. All three existing sidewalk stingers will be replaced.*
- *Roadway design includes Temporary Traffic Control Plans and Utility Coordination*
- *Permit coordination with US Coast Guard and USACE.*

CLIENT:
Town of Medley
Capital Projects &
Economic Development

Mr. Jorge E. Corzo PE
Town Engineer/Director
Tel: (305) 887-9541 Ext.143
E-mail: jcorzo@townofmedley.com

RJ BEHAR'S ROLE:
Structural analysis, design, plans preparation and permitting.

PROJECT STARTED: *9/9/2016*
PROJECT COMPLETED:
12/20/2018
COST/FEES PAID: *$112,000*
CEI FEES PAID: *$168,948.75*
CONSTRUCTION COST:
$ 1,394,664

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge/
Project Manager

Jerry Piccolo, PE
QA/QC Officer

Hans Murzi, PE
Permitting

Jossmel Cruz Garcia, PE
Structural Designer

Michelle Leon, EI
Project Engineer

Richard Bolt
Right-of-way permitting

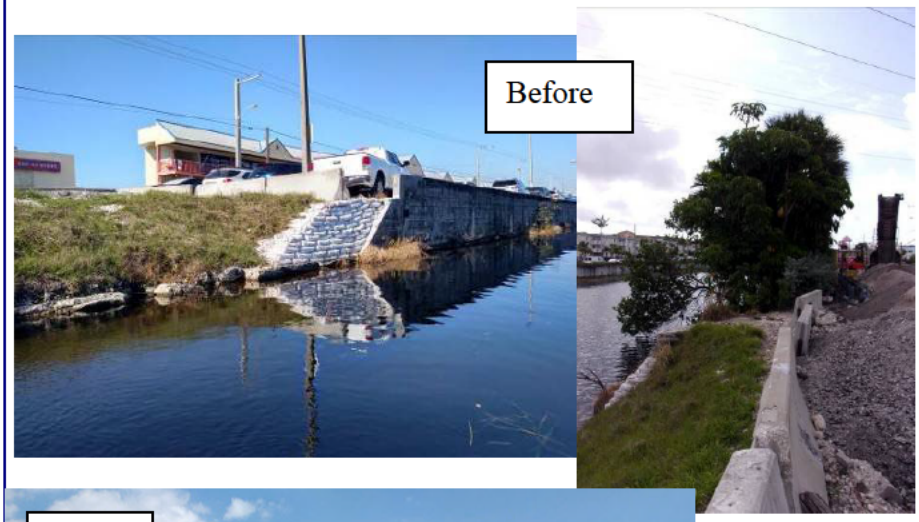
Alejandro Medina
Senior Inspector

R.J. Behar & Company, Inc. (RJ Behar) was contracted by the Town of Medley to provide engineering design services for a seawall design at Tobie Wilson Park.

The Town of Medley owns the Tobie Wilson Park, which is located at 7921 NW South River Drive, Medley, Florida 33166. The park is situated between NW South River Drive and the Miami Canal (C-6).

The scope of work included design of approximately 850 feet of new steel bulkhead wall with a concrete cap located on the north side of the park along the south bank of the Miami Canal.

RJ Behar's scope included field reviews, structural design, plans preparation, bidding assistance, ROW and ERP permitting with South Florida Water Management District and the United States Army Corps of Engineers, estimates of probable costs, technical specifications and construction inspection. RJ Behar also assisted with the grant preparation.



CLIENT:
City of Miami Springs, Florida
201 Westward Drive
Miami Springs, FL 33166

Sub to: Bermello Ajamil & Partners, Inc.
4711 South LeJeune Road
Coral Gables, FL 33146

Jose Lopez, PE, PMP, ENV SP
Director of Environmental Engineering
Phone: 305.859.2050
jlopez@bermelloajamil.com

RJ BEHAR'S ROLE:
Civil, Structural, Mechanical and Electrical Engineering

PROJECT STARTED: *2/13/2023*
PROJECT COMPLETED: *9/2023 (Design)*
COST/FEES PAID: *$48,416.00*
CONSTRUCTION COST: *$750,000*

RJ BEHAR'S KEY PERSONNEL:
Juan H. Vazquez, PE, PH, BCEE
Principal in Charge/Project Manager

Carmelo Ramos, PE
Electrical Engineer

Greg Dover, PE
Structural Engineer

Jossmel Cruz Garcia, PE
Structural Designer

Hector Rosario, EI
Project Engineer/Mechanical Calculations

The City of Miami Springs plans to replace one old stormwater pump station (Hook Square) that transfers water from the City's closed canal system to the South Florida Water Management District's C-6 Canal. This pump provides flood control to residents, streets, and businesses located in the basin, as well as several neighboring communities along South Royal Poinciana, which was a major southeast thoroughfare along Miami Springs. The existing pump was performing below capacity, was obsolete, and failed frequently. The pump station has only one pump and will be replaced with only one new 10,000 gpm axial vertical pump.

The improvements to the station included:

- *Demolition of old equipment,*
- *Replacement of the existing pump with a new 9,500 gpm, 40 hp electrical motor, vertical propeller pump,*
- *Replacement of the inflow structure with new trash rake and access hatch,*
- *Replacing the station roof with new access hatch,*
- *Replacing the pump base platform with new steel framing and FRP grating,*
- *Installation of new exhaust fan,*
- *Installation of flap gates at outfall,*
- *Installation of new float levels,*
- *Installation of riprap revetment and shore protection at the outfall, and*
- *Miscellaneous repairs.*

RJ Behar provided complete structural, mechanical, civil/site design and electrical design for the improvements, USACE Section 404 permit sketches and assisted with permitting.




CLIENT:
Miami-Dade County
Department of Transportation and Public Works
701 NW 1st Court
Miami, FL 323136

Christopher M. Yepez, MDC-DTPW
Project Manager
Tel: (305) 302-5988
E-mail:
Chistopher.yepez@miamidade.gov

RJ BEHAR'S ROLE:
Construction Management and Inspection

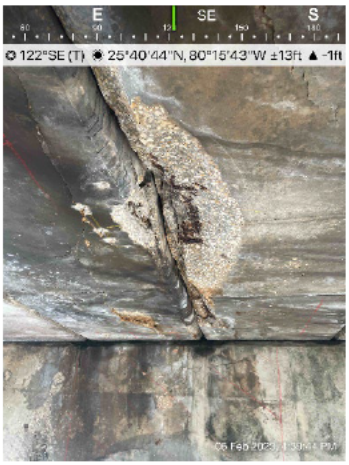
PROJECT STARTED: *12/21/2022*
PROJECT COMPLETED: *6/30/2024*
COST/FEES PAID: *$151,537*
CONSTRUCTION COST: *$504,000*

RJ BEHAR'S KEY PERSONNEL:
Nestor Santana, PE
Project Manager

Esteban Aldana
Project Inspector

R.J. Behar & Company, Inc. (RJ Behar) was contracted by Miami-Dade County to provide Construction Engineering and Inspection services for the rehabilitation of the Matheson Hammock Park Road bridge over the Matheson Hammock Canal (Bridge No 874294). The project is located at 9610 Old Cutler Rd. Miami, Fl.

The existing bridge is a 100-foot three span, sonovoid slab bridge, approximately 35 feet wide. Work under the contract included furnishing of all supervision, labor, materials, tools, equipment, and performing all operations required for structural rehabilitation of the bridge. It included concrete spalls repairs, delamination and cracks, installation of Carbon Fiber Reinforced Polymer wraps and structural jacket around a designated column and removal and replacement of existing post-tensioned wires/bars/strands.



CLIENT:
City of Miami
Office of Capital Improvements
444 S.W. 2nd Avenue, 8th Floor
Miami, Florida 33130

Ms. Clara Sidan
Assistant Director Stormwater & Permitting
Tel: (305) 416-1050
E-mail: csidan@miamigov.com

RJ BEHAR'S ROLE:
Grant Assistance

PROJECT START: *9/08/2022*
PROJECT COMPLETE: *Ongoing*
COST/FEES PAID: *$79,257*
CONSTRUCTION COST: *N/A*

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Stacy Sookdew-Sing
Project Manager

Thalia Santana
Grant Assistant

R.J. Behar & Company, Inc. (RJ Behar) *was contracted under the Miscellaneous Engineering services to provide Grants Project Manager assistance for the City of Miami's Grant Program. The support includes Community Development Block Grants (CDBG), State of Florida Local Programs, American Rescue Plan Act (ARPA), Federal Emergency Management Agency (FEMA) and State Resilience Grants along with the various reporting requirements associated with these Grants. The City requested a proposal for professional services support for the City's various grant projects to fulfill the requirements under the respective programs, which will facilitate achieving full reimbursement.*

The scope of work includes the following:

- *Professional services support for the City's various grant projects, including the preparation of various forms, review of documents and submittals required by Federal and State agencies to fulfill the City's requirements under the respective programs.*
- *RJ Behar provides a Grant Project Manager to assist the City's various departments with achieving compliance on the numerous grants the City has either obtained or is in the process of obtaining funds from multiple agencies and their programs.*
- *RJ Behar conducts research and compiles data for and prepares monthly, annual, and special reports.*
- *Assists with the coordination of the various phases of work for the grant being monitored.*
- *Reviews the processes or supporting documentation for accuracy before transmitting the submittals to the benefactor.*
- *Assists with the preparation, formulation, and justification of all material necessary for the grant programs.*
- *Conducts complex and detailed reviews and analyses of the grant funds budgeted and allocation of those funds against the funds expended by the City during the construction phase ensuring that reimbursement funds are received from the corresponding agency.*
- *Assists in establishing and monitoring performance measures to be utilized to strategically identify and achieve desired outcomes.*
- *Researches and responds to special funding opportunities requiring adherence to strict guidelines.*
- *Establishes a reporting process to monitor and maintain accountability to all funding sources, ensuring the City is following and complying with all requirements of its respective grants.*
- *Assists in representing the City before the various funding sources, when called upon, to achieve compliance with the Federal requirements when it comes to bid packages, request for proposals (RFPs), executed contracts, and monthly or quarterly reporting.*
- *Performs other related duties as requested and/or required.*

CLIENT:
Florida Department of Transportation, District 4
3400 West Commercial Boulevard, Fort Lauderdale, Florida 33309

Ms. Rana Keel, EI
Push Button Program Manager
Tel: (954) 777-4079
E-mail: Rana.Keel@dot.state.fl.us

RJ BEHAR'S ROLE:
Structural evaluation of a dual mast arm.

PROJECT STARTED: *12/1/2021*
PROJECT COMPLETED: *5/31/2022*
COST/FEES PAID: *$2,768.62*
CONSTRUCTION COST: *N/A*
CHANGE ORDERS: *x*
TIME EXTENSIONS: *x*
DESIGN FM #: *229936-9-32-01*
CONSTRUCTION FM #: *229936-9-52-01*
CONTRACT #: *C9W54*

RJ BEHAR'S KEY PERSONNEL:
Robert J. Behar, PE
Principal in Charge

Paola Riveros, PE
Project Manager

Jose A. Peña Ramos, PE
Sr. Structural Engineer

Jossmel Cruz-García, PE
Structural Engineer

The scope of services consisted of a structural evaluation for the existing NE dual mast arm to add a flashing yellow arrow at the intersection of SR-A1A and SR-60. The existing configuration included one thru 3-section signal head and one 5-section signal head. The 5-section signal head was removed, and a 3-section signal head was added for the thru movement and a 4-section signal head was added for the left turn movements.

Structural Analyses Summary

The mastarm analyses was conducted following the Florida Department of Transportation's (FDOT) Structural Manual Volume 3, 2021 Section 18.0 and the Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, L.T.S., First Edition 2015. The analyses considered the actual wind design speed of 170 mph for Indian River County with the proposed signal head arrangement and utilized the data from the "as-built" construction final plans (Appendix A). Information about the mastarm foundations was obtained from the FDOT Design Standards Booklet, dated January 2002, Index 017745 Mastarm Assembly Standard (Appendix A). It was assumed that the drilled shaft foundations were built in accordance with the construction of the final "as-built" plans and FDOT's standards.

Based on the results obtained from the structural analyses, R.J. Behar & Company, Inc. (RJ Behar) has determined that the actual wind design load effects of 170 mph on the existing mastarm structure, with the proposed signal head arrangement, would affect the structural integrity of the existing mast arm's drilled shaft foundation (MA-6). As provided on the final "as-built" plans, the spacing for the #5 Tie Bar on the standard drilled shaft was 1-foot 6-inches (18") along the shaft's entire length, which was an acceptable design wind speed of 110 mph. The current drilled shaft design standard requires Tie Bars at 4-inch spacing on the top 2-feet and between 6 to 12 inches on the remaining shaft length depending on the soil type. It is also important to mention that during our site visit inspection, some minor corrosion was found at the connection between the upright pole and the base plate.





CLIENT:
Steven Snyder
Senior Project Manager
Environmental Solutions Group
Partner Engineering and Science, Inc.
300 Avenue of The Champions, Suite 160
Palm Beach Gardens, Fl 33418
Tel: (561) 627-1810 Ext 107
Email: ssnyder@partneresi.com

RJ BEHAR'S ROLE:
Structural Evaluation

PROJECT START: *3/30/2023*
PROJECT COMPLETE: *8/31/2024*
COST/FEES PAID: *$5,230*
CONSTRUCTION COST: *N/A*

RJ BEHAR'S KEY PERSONNEL:
Juan H. Vazquez, PE, PH, BCEE
Principal in Charge

Greg Dover, PE
Structural Engineer

Jossmel Cruz-Garcia, PE
Structural Engineer

Environmental Solutions Group will be conducting a soil remediation project at the Heller Brothers Groves property in Fort Pierce and will be utilizing heavy equipment that needs to cross over the Heller bridge over the C-25 Canal. The work entailed an engineering inspection of the Heller Bridge structure, certification that it can support the loads of the equipment that will cross the bridge and final inspection to be performed after the work is completed to document the condition of the bridge after the final crossing. South Florida Water Management District (SFMWD) required the use of the newly constructed bridge to mobilize the heavy equipment to the site over the C-25 Canal with prior engineering inspection of the structure and certification that it can support the equipment loads. The existing bridge is a single span (+/-150 ft) steel frame ACROW Bridge with HS20-44 load rating. The equipment proposed to cross the bridge varied between 29K to 66K lbs.

The Scope Work included:

1. *Reviewing the existing plans and specification sheets for all of the equipment that would cross the bridge.*
2. *Performing the initial field inspection of the structure.*
3. *Preparing the Certification of the loads.*
4. *Performing the final field inspection of the structure.*
5. *Presenting Structural Inspection and Certification.*

South Ocean Drive Over Marion River Bridge Replacement

Fort Lauderdale, Florida

AREHNA | Engineering, Inc.

Project Summary

AREHNA provided geotechnical engineering services for this project which consisted of the bridge design for the bridge replacement over the Marion River. The existing bridge was constructed and rehabilitated in 1968, as an 80 foot, 4 spans, reinforced concrete double T-beam bridge. The project objective is to reduce the frequent costly maintenance to the new South Ocean Drive bridge structure given the saltwater/corrosive environment, while providing long term operability. AREHNA also provided recommendations for drainage improvements and milling and resurfacing the roadway approach to the bridge.

Due to the presence of existing residences nearby, reducing the impacts of temporary vibrations imparted by construction operations is a high priority.

CITY OF FORT LAUDERDALE

Owner

City of Fort Lauderdale

Key Staff

Jessica McRory, PE
Angela Alba, PE
Andy Tao, PE
Paola Vargas, PE

Project Date

2018 - 2024

Reference

Mr. Esen Tokay, P.E.
Lakes Engineering, Inc.
4870 SW 72nd Ave
Miami, Florida 33155
727-893-7852

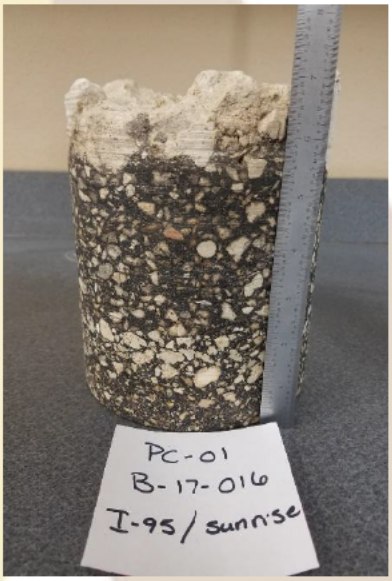
I-95/ SR-9 at SR-838/ Sunrise Blvd. Interchange Improvements

FDOT District Four, Florida

Project Summary

AREHNA currently provides geotechnical engineering services for this project that consist of providing triple left and triple right turn lanes to Sunrise Blvd. from the I-95 SB off ramp, widening of eastbound Sunrise Blvd. to provide dual right turn lanes at the I-95 SB on ramp, and widening eastbound Sunrise Blvd. (including the Sunrise Blvd. Bridge over the SFRTA and I-95) to accommodate a 7-ft buffered bicycle lane.

Additional improvements include widening the westbound Sunrise Boulevard Bridge over I-95 and the SFRTA/CSX to accommodate dual left turn lanes, three westbound through lanes, and a westbound 7-ft buffered bicycle lane. New MSE walls are planned along Sunrise Blvd. and Ramp L. In addition, several temporary critical walls are planned for the project.



Owner

Florida Department of Transportation

Key Staff

Jessica McRory, PE
Angela Alba, PE
Kirk Eastman, PE
Andy Tao, PE
Paola Vargas, PE
Roberto Rodriguez, PE
Tate Cozort, PE

Project Date

2018 - Ongoing

Reference

Alejandro A. Jaureguy, PE
H.W. Lochner, Inc.
8750 NW 36th Street, Suite 360
Miami, Florida 33178
ajaureguy@hwlochner.com
305.336.8363

FLORIDA DEPARTMENT OF TRANSPORTATION
FLAGLER MEMORIAL BRIDGE REPLACEMENT
SURVEYING AND SUBSURFACE UTILITY SERVICES

Project Entity:
Florida Department of Transportation
605 Suwanee Street
Tallahassee, FL 32399

Contact:
John Krause, P.S.M.
Civil Integrated Mgmt. Officer
(850) 414-4210
John.krause@dot.state.fl.us

CAS Project No.: 13-1703
CAS Profile No.: 215

Project Description:

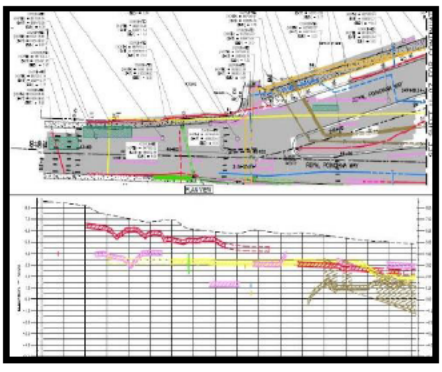
The Flagler Memorial Bridge Replacement consisted of the reconstruction of Flagler Drive (from 4th Street North to 7th Street), the removal and replacement of the existing moveable span bridge, and related stormwater, paving markings and signage, and traffic signalization improvements. CAS was contracted with FDOT to perform complete 3D Radar Tomography enhanced SUE services over 500,000 square feet of roadway bridge surface area. CAS prepared existing utility systems mapped with a complete subsurface model to assist in design engineering of proposed improvements. **Survey, utility location and modeling began in May of 2013 and was completed on schedule in July of 2013 for a total initial fee of $164,000.**

Responsibilities:

Specific purpose survey, electronic surface designations, utility locations marked by use of ground penetrating radar (2D/3D Radar Tomography and electromagnetics), vacuum soft digs to confirm GPR results and GPS coordinates utilizing sub-centimeter equipment, 3D CADD modeling of existing utility systems.

Key Personnel:

Stephen C. Smith, P.E. – President; Robert D. Keener, P.S.M. – Vice President of Survey; James F. Driscoll – Vice President of Utility Locates


CITY OF DELRAY BEACH

LINDELL BOULEVARD IMPROVEMENTS – SURVEY & SUBSURFACE UTILITY ENGINEERING

Project Entity:
City of Delray Beach
Environmental Services Department
434 S. Swinton Avenue
Delray Beach, FL 33444

Contact:
Kimley-Horn & Associates, Inc.
Marwan Mufleh, P.E.,
Project Engineer
(561)-840-0850
Marwan.mufleh@kimley-horn.com

CAS Project No.: 22-2255
CAS Project No.: 385

Project Description:

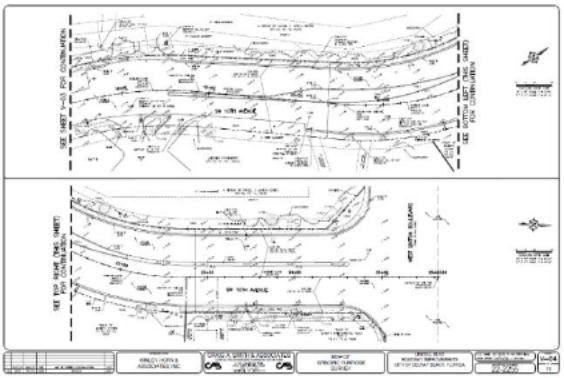
CAS performed survey and subsurface utility engineering as a subconsultant to Kimley-Horn & Associates, Inc. for the City of Delray Beach. The project was divided into two segments. Segment 1 consisted of Lindell Blvd from the west side of the FEC Railroad right-of-way (ROW) north to Curlew Road and Segment 2 ran from Curlew Road north to SW 10th Avenue and then east to Linton Blvd. The scope of work included a topographic survey for the entire corridor including easements and a title search as needed to complete ROW mapping and resolve discrepancies. Topographic survey cross-sections were conducted at 50-foot intervals and at the center of each driveway along with planimetric data for all surface features. The survey extended 5 feet beyond the ROW, 10 feet beyond the ROW at driveways, 50 feet beyond all returns at intersections and 100 feet beyond each round-a-about. In addition, visible drainage structures were located and top, bottom and pipe invert with direction and size were captured. Also trees 4" in caliper or great were shown on the basemap (tree survey). Subsurface utility engineering included soft digs at seventy-five (75) designated locations to verify depths, sizes and materials of conflicting buried utilities. The project began in February 22, 2022 and is currently on-going. **The surveying portion of the project was completed two weeks ahead of schedule and within the initial budget.** CAS is awaiting identification of 75 soft dig locations from the prime consultant to complete the project. Total project cost is $98,470.

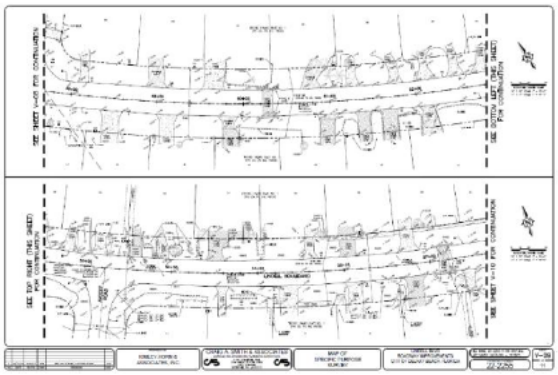
Responsibilities:

Topographic survey, title search and utility locates to identify drainage structures and utility conflicts along with locating visible above grade utilities within the project corridor and development of basemap for engineering design.

Key Personnel:

Stephen C. Smith, P.E. – President; Robert D. Keener, P.S.M. – Vice President-Survey; David Lookabill – Survey Coordination Manager; James F. Driscoll – Vice President of Utility Locates; Alan Lopez – SUE Field Supervisor





South Florida Water Management District (SFWMD) Structure Inspections
Owner: SFWMD
Owner Work Order No. 4600003656-W001 through WO11
Client (if different from Owner): SFWMD
Contact: Tjerk van Veen, P.E. (561) 682-2717; Suzanne Halverson, P.E. (561) 313-8694;
Christine Finneran (561) 682-6024
Work Start: November 2017 Project End Date: August 2022
Value: $1,892,000

UESI was selected by the SFWMD to perform underwater condition assessments of water control structures owned by the District. The contract included the inspection of 161 structures including culverts, spillways, pump stations, locks, weirs, and bridges. A UESI Florida professional engineer was always on site supervising the dive operation and engineering assessment. The divers were all UESI employees. The diving operation was surface supplied with full video and audio communication. As part of the deliverable UESI furnished video of the inspections. UESI provided checklists and reports per the District's format for the underwater components. Two work orders under this contract included topside civil and structural inspections performed by the lead engineer, Jeffrey O'Connor, P.E. The project also included repairs at S-169, repairs at 11 St Cloud area structures, flowmeter installations and repairs at the Pahokee Marina. Staff involved: Jeffrey O'Connor, Brian Kilburn, Aaron Willard, Matt Herold, Jeremiah Duncan.

South Carolina Public Services Authority (Santee Cooper facilities)
Owner: South Carolina Public Services Authority
Client: Gannett Fleming
Contact: Elizabeth Landowski, P.E.
Contact Phone: (904) 574-0092
Work Start: October 2021 Project End Date: March 2022
Value: $49,000.0
Change Orders: Removed inspection on the lock due to construction activities

Underwater inspection of a spillway and powerhouse. The scope of work was to provide underwater inspection of a 3600-foot-long spillway structure and a 6-unit hydro powerhouse. The spillway inspection included the underwater upstream side (apron, piers, gates) and the bottom portion of the downstream apron and training walls (other components were above water). The powerhouse inspection included the downstream flumes and discharge apron. The work was performed by a four-person dive team led by Jeffrey O'Connor, P.E. and utilized surface-supplied air. A detailed report was provided that included findings, photographs, and recommendations for repair. Staff involved: Jeffrey O'Connor, Steve Lano, Michael Orth.

St Johns River Water Management District Culvert Inspections
Owner: St Johns River Water Management District
Client (if different from Owner): Owner
Contact: Steve Turrentine
Contact Phone: (352) 821-1249
Work Start: February 2020 Project End Date: July 2020
Project Manager: Jeffrey O'Connor, P.E.
Value: Estimate $274,000
Change Orders: Amended original contract (added additional structures and repairs)

Underwater inspection of culverts. The scope of work was to provide underwater inspection services for 32 culverts and one pump station. Inspections extended from 3' above water to the channel bottom and up to 10' beyond the structure. Noted deficiencies were provided in a spreadsheet checklist provided by SJRWMD. A report was developed by UESI that included deficiency notes, condition ratings, potential causes, recommendations for repair, and photographs. Videos of the inspections were recorded and provided as a deliverable. The work was performed by a four-person dive team led by Jeffrey O'Connor, P.E. and utilized surface-supplied air. Several structures required repair, which were performed by a second UESI dive team. Staff involved: Jeffrey O'Connor, Brian Kilburn, Aaron Willard

City of Jacksonville Professional Services for Dock Inspections – Underwater Inspection
Owner: City of Jacksonville
Client (if different from Owner): Taylor Engineering
Contact: Jonathan Brumfield, P.E.
Contact Phone: (386) 451-6520
Work Start: November 2017 Project End Date: March 2018
Project Manager: Jeffrey O'Connor, P.E.
Value: Estimate $54,000
Change Orders: None

Perform underwater inspection of 15 county fishing/boat docks that had received damage from hurricanes. The docks under this contract were fixed timber piers, floating docks, and boat ramps. Noted deficiencies and ratings were provided in a spreadsheet provided by Taylor. Photographs of specific and general deficiencies were provided. The work was performed by a three-person dive team led by Jeffrey O'Connor, P.E. and utilized surface-supplied air. Taylor was providing the topside inspections and developing the reports. Staff involved: Jeffrey O'Connor

Lake Worth Drainage District (LWDD) – Underwater Inspection
Owner: Lake Worth Drainage District (LWDD)
Client (if different from Owner): Owner
Contact: Anthony Las Casas
Contact Phone: (561) 498-5363
Work Start: December 2014 Project End Date: February 2015
Project Manager: Jeffrey O'Connor, P.E.
Value: Estimate $33,396
Change Orders: One additional amendment to the original contract (added three additional Structures)

Provided professional engineering inspection services for structural and channel assessments at ten locations. The structures consisted of spillway structures with two to four gates, some combined with pumping capabilities. UESI provided a three-person dive team led by a registered Florida Professional Engineer-diver. The scope included all underwater elements, including the gates, walls, sills and wingwalls and continuing up to 3 feet above the water line. The channel inspection was comprised of scour and shoaling observations up to 150 ft upstream and 500 ft downstream of the structures. A report was prepared for each structure which included photographs, findings, recommendations and element checklists and ratings similar to that used by SFWMD. The dive team used surface-supplied air with video and audio, but a video file was not part of the deliverable.
Following the original assignment, and additional three similar structures were assigned. Staff involved: Jeffrey O'Connor

St. Lucie County Culvert Inspections
Owner: St. Lucie County Board of County Commissioners (SLCBOCC)
Client (if different from Owner): Owner
Contact: Michael Harvey, E.I.
Contact Phone: (772) 462-1717 Contact Fax: (772) 462-1704
Work Start: May 2013 Project End Date: April 2021
Project Manager: Jeffrey O'Connor, P.E.
Value: Estimate $60,000
Change Orders: None.

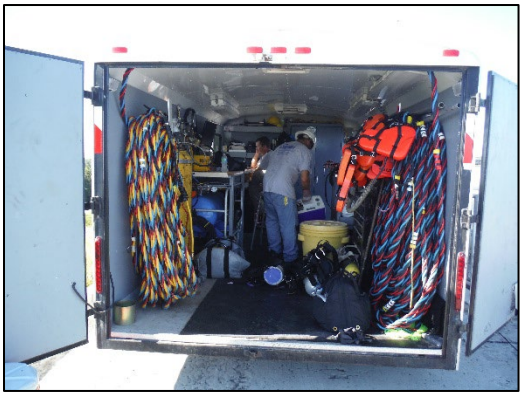
Under numerous task assignments from 2013 through 2021, UESI has been providing underwater inspections of culverts for St. Lucie County. The culverts have ranged in size from 30 to 84 inches, and have been made of concrete or corrugated metal. UESI developed a report format with the County's input, that covers the following structural elements: roadway, shoulders, safety features (guardrails, etc.), channel, channel embankment, headwall, wingwall, pipe material, pipe shape, pipe joints, sediment aggregation or erosion (scour). UESI provides full, unedited video as well as a condition report for each structure. Staff involved: Jeffrey O'Connor, Brian Kilburn, Matt Herold, Aaron Willard

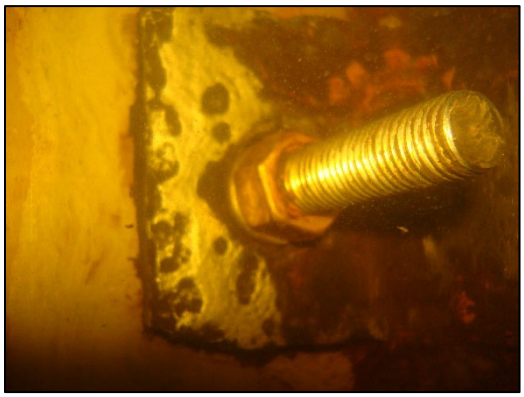
Peace River Manasota Regional Water Supply Authority
Owner: Peace River Manasota Regional Water Supply Authority
Client: Owner
Contact: Shalina Odegard
Contact Phone: (941) 286-7618
Work Start: August 2014 Project End Date: September 2014
Value: $29,940.0
Change Orders: None.

UESI performed two concurrent task assignments for the Authority. The assignments consisted of diving inspections of the Reservoir No. 2 Influent Works and the Reservoir No. 2 Effluent Works. Reservoir No. 2 Effluent Works was comprised of the Outlet Tower, one 54-inch discharge pipe, one 36-inch discharge pipe, one 66-inch discharge pipe, and a baffle chute. An underwater inspection was performed on each of the facilities. The Outlet Tower had two vertical sluice gates, one variable crest gate and trash racks. The piping was inspected with a five-person dive team for the 300-ft-long penetration inspections.

Reservoir No. 2 Influent Works was comprised of one 72-inch-diameter influent pipe and a concrete discharge structure with three trash racks. The piping was inspected with a five-person dive team for the 400-ft-long penetration inspections.

A detailed report was provided that included findings, photographs, and recommendations for repair.
Staff involved: Jeffrey O'Connor, Matt Herold





Tab 4: Qualifications of the Project Team

R.J.Behar

CITY OF FORT LAUDERDALE

Organizational Chart

PUBLIC WORKS DEPARTMENT

R.J.Behar

Principal-in-Charge Quality Control Officer
Robert J. Behar, PE 45 %

Project Manager
Gregory Dover, PE 75%

Bridge Design
Gregory Dover, PE 75%
Jerry Piccolo, PE 30%
Gerard Nazaire, PE, MSE 80%
Jossmel Cruz-Garcia, MSE, PE 75%
Esteban Aldana, EI 85%

Roadway Design/Utilities
Paola Riveros, PE 65%
Pedro Santiesteban 75%
Erlis Fernandez 80%
David Hernandez 80%
Nanette Akyaz-Gómez, LEED AP 75%

Electrical Engineering
Carmelo J. Ramos, PE 50%

Miscellaneous Structures
Gregory Dover, PE 75%
Jerry Piccolo, PE 30%
Jossmel Cruz-Garcia, MSE, PE 75%
Gerard Nazaire, PE, MSE 80%
Hector Rosario, EI 65%
Esteban Aldana, EI 85%

Building Designers
Gregory Dover, PE 75%
Jossmel Cruz-Garcia, MSE, PE 75%
Esteban Aldana, EI 85%
Hector Rosario, EI 65%

Cost Estimates
Nestor Santana, PE 55%

Structural Inspections
Nestor Santana, PE 80%
Jossmel Cruz Garcia, MSE, PE 75%
Eduardo Curiel 75%
Logan Fasanella 75%
Esteban Aldana, EI 85%

Drainage/Hydrology/Permits
Hans Murzi, PE, CFM 65%
Elmer Cardenas, PE, CEI 70%
Hector Rosario, EI 65%
Andrea Sorensen 85%

Grant Assistance
Stacy Sookdew-Sing 35%
Thalia Santana 50%

Public Involvement
Stacy Sookdew-Sing 35%
Dereth Behar 35%

Surveying/Subsurface Utility Engineering (SUE) – (CSA)
Robert D. Keener, PSM 65%
James F. Driscoll 80%

Geological Investigations – AE
Angela L. Alba, PE 65%
Jessica McRory, PE, LEED AP 65%
Andy Tao, PE 65%

Material Testing – AE
Angela L. Alba, PE 65%
Jessica McRory, PE, LEED AP 65%
Andy Tao, PE 65%

Underwater Inspections – UESI
Jeffrey O'Connor, PE, SE, LEED AP 20 %
Matthew Herold 30%

RJ BEHAR TEAM

- R.J. Behar & Company, Inc. (RJB) MBE
- AREHNA Engineering, Inc. (AE) W/MBE, CBE
- Craig A. Smith & Associates, LLC (C&S)
- Underwater Engineering Services, Inc. (UESI)

Availability: %

GREGORY DOVER, PE

PROJECT MANAGER/SR. BRIDGE ENGINEER

EDUCATION:
B.S. Civil Engineering/Structures, North Carolina State University, 1990

YEARS OF EXPERIENCE 35 Years

YEARS WITH RJ BEHAR
2022 – Present

OFFICE LOCATION
Pembroke Pines

PROFESSIONAL REGISTRATIONS
- P.E. Florida License No. 57684, 2001
- P.E. North Carolina License No. 20635, 1995

SPECIAL QUALIFICATIONS
- 8th Edition, Florida Building Code, 2023
- Advanced Building Code Course Credit, 2018

ENGINEERING EXPERIENCE

Mr. Dover is an experienced structural engineer. He performs project management duties, as well as Engineer-of-Record duties while mentoring and training junior staff. He works directly with clients in pursuing upcoming projects. His experience in structural design includes phase review, design management, and construction project management. His expertise includes concrete and steel bridge design, advanced structural modeling, bridge inspection, miscellaneous structure design including retaining walls, overhead signs, traffic signals, and buried drainage structures. Additionally, he has recent design-build experience in direct construction support for field change requests, contractor requests for information (RFI), and utility conflict resolution.

RELEVANT EXPERIENCE

Hook Square Pump House Replacement – City of Miami Springs, Florida
Structural Engineer providing Quality Control and Supervision for the replacement of one old stormwater pump station (Hook Square) that transfers water from the City's closed canal system to the SFWMD's C-6 Canal. Structural modifications included a new roof, pump platform, new doors and installation of new ventilation.

I-75W2 Weir Structure Replacement Design - South Florida Water Management District (SFWMD)
Senior Structural Engineer for structural design, and preparation of the Design Documentation Report for the construction of a new, locally and remotely operated, water control structure in the alignment of the I-75 Canal in Naples, Florida. He supervises the structural design and coordinates with the design team.

Pine Island Road from Griffin Road to Nova Drive, Town of Davie, Florida – Broward County Highway Construction and Engineering Division
Structural Engineer – The proposed project improvements include reconstructing the existing roadway from four to six lanes, with a shared use path or bike lanes in each direction. The proposed project improvements include bridge modifications, signal mast arms, 1.7-mile bulkhead wall along the existing CBWCD canal, evaluations of potential noise walls; and permitting.

Atlantic Shores Boulevard Improvements, Broward County, Florida – City of Hallandale Beach
Structural Engineer for the retrofit of flap gates at two outfalls into the DeSoto Waterway. One outfall was 108" and the other one 54" in diameter. RJ Behar, as part of the design team that provided assistance with drainage modifications and permitting.

S9 & S9A, Trash Rake and Pump Station Refurbishment Bridge Slab Design, Broward County, Florida – Harry Pepper
Structural Engineer who provided quality control reviews for design of the trash rake bridge slab reinforcing. The plans called for a prestressed and post tensioned slab bridge. RJ Behar requested to design the slab using a 12" Florida Slab Beam and it was accepted as a design change. This task included performing the structural calculations for the reinforcing and preparing shop drawings for the bridge slab units. The design loading was the HL-93 and SFWMD 60-Ton Truck Crane (GROVE TMS700E).

Port St. Lucie Boulevard from Becker Road to Paar Drive, St Lucie County, Florida – Florida Department of Transportation (FDOT), District 4
Structural Engineer who provided quality control reviews of the BDR and construction plans to replace the existing bridge over E-84 canal. The existing low-level concrete bridge (No. 945260) crosses over the E-84 Canal using three spans. The project also includes signal mast arms foundation design and overhead sign structures.

Pedestrian Bridge over the Biscayne Canal, Miami-Dade County, Florida – City of North Miami
Structural Engineer who provided quality control reviews of the construction plans of a new pedestrian bridge over the Biscayne Canal. The existing bridge is located between NE Second Avenue and Griffing Boulevard, approximately 1,400-feet south of the existing NE 135th Street vehicular bridge. The existing bridge carries both pedestrians and utilities.

Mathews Bridge Rehabilitation, Duval County, Florida – FDOT, District 2
Engineer of Record for the painting and rehabilitation of steel members on the approach spans of SR 10A over the St. John's River. Two additional bridges were painted over the out of service railroad and Palmetto St. Post Design services included review of containment plans and calculations, as well as rehabilitation of elements which were further deteriorated since the last bridge inspection. **Company:** Gannett Fleming, Inc.

SR 826 - Palmetto Segment 4, Miami-Dade County, Florida – FDOT, District 6
Structural Engineer responsible for the management and Engineer of Record (Thru 90%) for a 3-span bridge (SR 826 over 47th Ave.) The bridge consists of 54" FIB girder beams, 200 ft. (+) long end bents on 18" prestressed concrete piles (PCP), and multi-column piers on concrete footing caps with 24" PCP. Close coordination with the geotechnical engineer included existing pile extraction, and optimization of foundation selection, and minimization of pile driving vibrations affecting adjacent businesses. Additionally, the project includes drainage box modifications, as well as sign structures. He developed the BDR and associated plans, calculations, and cost estimates. **Company:** Gannett Fleming, Inc.

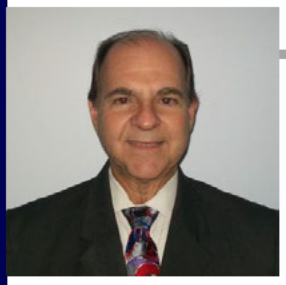
Districtwide Plans Review, Miami-Dade County, Florida – FDOT, District 6
Structural Engineer: Task Work Order 1 – Design of substructure for bridge 9 of the Golden Glades Interchange. The substructure was designed to support a curved steel bridge. The bent cap was a post and beam type, with 2 non-redundant drilled shafts. A lateral shaft analysis was also performed to set the minimum tip elevation of the shaft.
Company: Gannett Fleming, Inc.

Bridge Rehab and Repairs Contract, Miami-Dade County, Florida – Miami-Dade Expressway Authority (MDX)
Project Manager/Engineer of Record for rehabilitation and repair of 80 bridges, including joint repair and replacement, as well as bridge jacking and bearing replacements. Investigated proprietary types of joint systems and obtained FDOT approval to use new types of joints to further the lifespan and simplify the repairs, while lowering life cycle costs.
Company: Gannett Fleming, Inc.

SW 136th Street over a Canal C100A, Miami-Dade County, Florida – Miami-Dade Department of Transportation and Public Works (DTPW)
Project Manager for a replacement of a bridge over the C100A canal. Bridge was designed as a 3-span continuous deck slab, supported on pile bents and pile end bents. Special bridge aesthetics were coordinated with the County and local municipalities to further enhance the end user experience. **Project Complete:** 2022 **Project Length:** 0.25 miles
Company: Gannett Fleming, Inc.

7-Mile Bridge Rehabilitation, **Monroe County, Florida – FDOT, District 6**
Structural Engineer for the rehabilitation of a 35,000 ft. long high-level bridge, over the ocean, which is a critical bridge to the Florida Keys. This bridge is in the most extreme corrosive marine environment possible, with structural elements permanently in the splash zone resulting in accelerated corrosion, constant cracks, spalls, and delamination. His responsibilities included assessment of existing structural condition, and design and plans preparation for the rehabilitation and for corrosion protection systems. This bridge was the basis of a research project for FDOT to try out multiple corrosion protection schemes. Evaluated these and other options and recommended the best solutions of galvanic protection systems that fit within the budget. Also assisted with the temporary steel frame jacking support system design to rehabilitate damaged sections of columns without shutting down traffic on this essential hurricane route bridge. The Seven Mile Bridge/Knight's Key Bridge (No. 900101) was listed in the National Register of Historic Places in 1979. All the Overseas Highway bridges are eligible under Criterion A in the areas of Transportation and Community Planning and Development. **Company:** AECOM

I-595 Express Lanes, Design-Build-Finance (PPP) Project, Broward County – FDOT, District 4
Deputy Structures Manager for the design of 65 bridges and Engineer of Record for over 100 sign and drainage structures. This corridor provided express lanes in the median of I-595 and required many structures to be modified, including concrete and steel bridges, short and long spans: *Directed multiple design teams from other regions, including training on local codes and standards; Performed review of bridge and wall plans, and QA of submittal package; Designed project standards for overhead sign structure foundations, including drilled shafts, and footings on piles; Led weekly team meetings with approximately 20 managers from other regions; Maintained Structures Project Schedule on a weekly basis (Primavera); Submitted Monthly progress reports; Drafted Letters of Response to the Contractor; Drafted Scope Change requests; Provided responses to FDOT and Florida Turnpike comments on bridge and sign structures; Responded to Requests for Information (RFI's); Performed Shop Drawing Reviews for structural steel girders, prestressed concrete girders, overhead sign structures, buried drainage structures, and drilled shaft foundations; Performed Design for Field Change Requests (FCR's) as needed; and Coordinated with FDOT staff for resolving construction issues.* **Company:** AECOM.



ROBERT BEHAR, PE

PRINCIPAL IN CHARGE – QC/QA

EDUCATION

MS Structural Engineering, University of Florida, 1975
BS Civil Engineering, University of Florida, 1974

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
47 Years	1999 – Present	Pembroke Pines

PROFESSIONAL REGISTRATIONS

- P. E. Florida License No. 21755/1980
- P. E. Kentucky License No. 19836/1997
- P. E. Indiana License No. 19800047/1997
- P. E. Michigan License No. 6201043655/1997
- P. E. Ohio License No. E-6264

PROFESSIONAL SOCIETIES

- American Society of Civil Engineers
- Florida Engineering Society
- Institute of Transportation Engineers
- Transportation Research Board

ENGINEERING EXPERIENCE

He began his engineering career in 1977 with the Florida Department of Transportation and has over 47 years of experience in the planning, design and management of transportation projects nationwide. He has worked on projects for many municipalities throughout South Florida. He has been very active member of various engineering societies where he has served as president of the South Florida Section and Miami-Dade Branch of the American Society of Civil Engineers, Chair of the American Society of Civil Engineers Highway Division, Chair of Florida Institute of Consulting Engineers Transportation Production Committee, and member of the Transportation Research Board's Geometric Design Committee. Mr. Behar was awarded the Ben Watts Partnership Award in 2010. He is a voting member of the Florida Greenbook Committee. Mr. Behar was an original member and helped develop the American Society of Civil Engineers (ASCE) publication "Context Sensitive Highway Design Principles" and he is currently a member of the Subcommittee for the development of the Complete Streets Chapter in the Florida Greenbook.

RELEVANT EXPERIENCE

Pine Island Road from Griffin Road to Nova Drive, Broward County, Florida – Broward County Highway Construction and Engineering Division

Principal in Charge/Project Manager: The proposed project improvements include reconstructing the existing roadway from four to six lanes, with a shared use path in each direction. Additional improvements include new drainage, bridge widening, signalization, signing and pavement markings, lighting, bulkhead wall along the canal, four box culverts were required by Central Broward Water Control District for the permitting conditions and to upgrade, and landscaping.

SW 87th Avenue Bridge over Canal C-100, Miami-Dade County, Florida – Miami-Dade County Department of Transportation and Public Works Engineering, Planning and Development

Principal-in-charge of the design of a new bridge over the South Florida Water Management District (SFWMD) C-100 canal. The project included preparation of the structural plans, roadway and drainage and permitting with SFWMD right-of-way permit, SFWMD ERP, DRER Class II & Tree removal, Florida Department of Environmental Protection State 404 program, and U.S. Army Corps of Engineers Section 408. The proposed bridge is located along SW 87th Avenue between SW 163rd Terrace and SW 164th Street and will carry both vehicular and pedestrian traffic.

SE 15th Avenue Bridge Replacement, Construction Engineering Inspection, Fort Lauderdale, Florida; LAP Project

Principal in Charge for the proposed improvements included full bridge demolition and replacement, including a class 5 concrete finish coating on all exposed concrete surfaces, new traffic railing barrier with aluminum pedestrian- bicycle railings along both sides, bridge deck grooving, minor roadway reconstruction, milling and resurfacing, pavement marking and signage, slope stabilization, new utility relocations, lighting, and landscaping modifications. The bridges cross over the Marchetta River Bridge (Bridge No. 865766) and Carlotta River Bridge (Bridge No. 865767) in Fort Lauderdale, Florida.

Pines Boulevard and I-75 Interchange, CEI Services LAP Project, Broward County, Florida – City of Pembroke Pines/FDOT District 4 – Principal in Charge on this $11.2 million Local Agency Program (LAP) project between the City of Pembroke Pines and FDOT, District 4. This was a federally funded project consisting of urbanized improvements at the I-75 (SR-93) and Pines Boulevard (SR-820) Interchange. The project includes modifying the existing interstate overpass, entrance and exit ramps from a rural configuration to an urban configuration, as well as widening, signalization, landscaping and access management improvements along Pines Boulevard. "No-excuse Bonus" (250K) and "Incentive/Disincentive" contracting method utilized.

Oakhill Culvert Replacement, Broward County, Florida – Town of Davie
Principal in Charge: The project replaced an existing culvert over a Central Broward Water Control District canal. The Oak Hill culvert was an existing 66-inch corrugated metal pipe culvert approximately 36 ft. long with sand cement end walls under SW 17th Street. The CBWCD performed an inspection of the culvert and determined that the pipe was completely deteriorated and collapsed. CBWCD determined that the pipe needed to be replaced with a 60-inch reinforced concrete pipe. Permits included Broward County Environmental Resource License, Central Broward Water Control District, and U.S. Army Corps of Engineers Nationwide Permit (NWP) Number 7.

NW 87th Avenue, Miami-Dade County, Florida – Florida Department of Transportation (FDOT), District 6
Principal in Charge/Project Manager for roadway design of new construction and reconstruction of NW 87th Avenue. The scope included the new construction and reconstruction of NW 87th Avenue from NW 74th Street to NW 103rd Street in Medley, Florida. This project included roadway plans, drainage, traffic, lighting, signing and marking, signalization and bridge plans. Project length: 1.90 miles ±

Seven Isles Entry Beautification, Broward County, Florida – City of Fort Lauderdale
Principal in Charge – The project consisted of improvements to the 7 isles entry way, this improvement included, adding a parking space on the west side of SE 23rd Avenue as well as beatifying two of the existing bridges.

Seawall Design at Tobie Wilson Park – Town of Medley, Florida
Principal in Charge/Project Manager for the structural analysis and design, plans preparation and permitting with SFWMD, USACE. The scope of work included design of approximately 850 feet of new steel bulkhead wall with a concrete cap to be located on the north side of the park along the south bank of the Miami Canal. RJ Behar also assisted with the grant preparation and construction engineering services.

Coral Gables Courthouse, Miami-Dade County, Florida – Miami-Dade County
Engineer of Record for structural design.

McDonald Park Pedestrian Bridge, Miami-Dade County, Florida - City of Hialeah
Project Manager/Engineer of Record – Services included the structural design for all the piers supporting the pre-fabricated pedestrian bridge and field inspection.

Crash Fire & Rescue Bridge over I-95, Fort Lauderdale, Florida – FDOT, District 4
Project Manager – This included the design of new bridge over I-95 connecting Fort Lauderdale/ Hollywood Airport to Ravenswood Road. The project included roadway plans, retaining walls, bridge plans, drainage design and marking and signing plans.

Design-Build I–595 Highway Improvements, Broward County, Florida – FDOT, District 4
Task Manager: The design of the project included updating the master plan and complete drainage design for new exfiltration trenches, storm sewer design piping and collection inlets, cross drains including several micro-tunneling pipes across the expressway lanes and both wet and dry retention stormwater ponds. Fourteen microtunnels were needed due to the water table and the depth of drainage structures. The design also included several large gated control structures for the connections to the golf courses, large concrete box culverts, a major inverted siphon under the North New River Canal (NNRC), and several open channels (lined and unlined). RJ Behar was also responsible for the drainage plan preparation for two roadway design sections as well as all coordination between six different design firms. The scope of the project included stormwater management, drainage design; signal and lighting design. Intersection signal phasing and timings were optimized and coordinated with neighboring intersections to ensure the best overall performance along the corridor. Measures of effectiveness used to evaluate the traffic operations included vehicular queues, vehicular delay and Level of Service

5th Street Fire Station Mezzanine Addition, Miami-Dade County, Florida – City of Hialeah
Project Manager/Engineer of Record – The project included structural design for the new mezzanine and coordinating the mechanical, electrical, plumbing and fire sprinkler systems modifications. The structural modifications required that the existing foundations be reinforced for the additional loads.

Quayside Apartments Pier Extension, Miami-Dade County, Florida – Miami Shores
Engineer of Record for the structural design for the extension approximately 2000' of wooden pier. The pier was located along the Intercoastal Waterway. The construction consisted of wood piers.

40 Year Certification Structural Inspection, Miami-Dade County, Florida – Miami
He performed structural inspection for a 40-year structure. The inspection required the certification of all structural components for a 20,000 square foot structure.

JERRY PICCOLO, P.E.

SR. STRUCTURAL/BRIDGE ENGINEER

EDUCATION
B.S. Civil Engineering, University of Florida, 1976

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
48 Years	2000 – Present	Wellington

PROFESSIONAL REGISTRATIONS
P.E. Florida License No. 22979, 1980
Certified Bridge Inspector – Bridge Inspectors Training Program, FDOT & USF, 1982

ENGINEERING EXPERIENCE
Mr. Piccolo serves as a senior structural design engineer. He has a thorough understanding of advanced structural engineering and the associated computer skills. He also has a very practical background in bridge construction and construction contract administration procedures. This background enables him to produce a set of plans which are constructible, economical and rarely require supplemental agreements during construction. Mr. Piccolo has been the Project Manager and Engineer of Record for numerous very successful highway and bridge projects over the past 27 years as a consultant. He also has 15 years of experience as an FDOT employee. He was the first FDOT Bridge Engineer to design a bridge to withstand a ship impact (Choctawhatchee Bay Bridge) and the first to design a curved steel box girder superstructure (Thomasville Road Flyover). He was presented with the Bill Dean Award by FDOT and is listed in the "Who's Who in Science and Engineering".

RELEVANT EXPERIENCE
Structural Annual Contract - Palm Beach County, Florida
Project Manager/Sr Structural Engineer. Mr. Piccolo has managed the Palm Beach County Structural Annual contract since 2004. In the contract he has performed reviews of bridge plans prepared by other county consultants. The reviews address structural adequacy, adherence to County, State and AASHTO policies and design criteria, economy of design, constructability, completeness, accommodation of utilities, etc. The structural design calculations are spot checked and reviewed for completeness and reasonableness. Some of the most recent reviews include:
Congress Avenue over WPB Canal; Palmetto Park Road Bridge over Intercoastal Waterway Rehabilitation/Painting Project; Sims Road, Lakes of Delray Beach Boulevard to Atlantic Avenue; 60th Street from Avocado Boulevard to east of 120th Avenue N; 45th Street Bridge over SFWMD C-17 Canal; Jupiter Beach Road over Branch of ICWW (934125); CR880 Bridge Replacement Plans Review; Palmetto Park Bascule Bridge Generator Room Foundation Plans Review; Linton Boulevard Bascule Bridge Concrete Repair Plans Review.

Booster Stations Seawall Repair #1, Miami-Dade County, Florida – Town of Medley
Sr. Structural Engineer. Scope of services included the design of approximately 32 feet of new bulkhead wall on the north side of the station along the south bank of the Miami Canal. The new bulkhead was to repair the existing wall that was damaged during the Irene storm. Services included field visits, documenting with notes and photographs to evaluate conditions for the improvements, structural design, hydraulic calculations, estimates of probable cost and permitting.

Linton Boulevard Bascule Bridge Railing Upgrades Palm Beach County, Florida
Structural Engineer: He provided quality control of the plans and inspection reports. The project includes replacing and upgrading the existing bridge railings. The proposed railing system and sidewalk brackets will weigh less than the existing to avoid strengthening of the existing main girders.

SR-243 Pecan Park Road, Duval County, Florida – Florida Department of Transportation (FDOT), District 2
Structural engineer in charge of design and post design services. The project included one new bridge; two tied back (Schnabel type) retaining walls, two strain pole intersections, four mastarm intersections, three bridge mounted sign structures and eight overhead sign structures.

Seawall Design at Tobie Wilson Park, Miami-Dade County, Florida – Town of Medley
Senior Structural Engineer/QC – Structural analysis and design, plans preparation and permitting. The scope of work will include design of approximately 850 feet of a new bulkhead wall located along the south bank of the Miami Canal.

SR-850/Northlake Boulevard over the Loxahatchee Slough, Palm Beach County, Florida - Palm Beach County Department of Engineering & Public Works Division of Roadway Production
Structural engineer in charge of design and construction services. The project consisted of one new bridge, four MSE walls, one elevated walkway with handrails and one gated weir/bridge.

Biscayne Boulevard from 196th Street to 213th Street, Miami-Dade County, Florida – FDOT, District 6
Structural engineer in charge of design and post design services. The project included five mastarm intersections, and foundations for ground mounted pedestrian signals and flashing lights.

Hatton Highway Bridge Replacement over the Pahokee Water Control District's Canal NO. 2, Palm Beach County, Florida - Palm Beach County Department of Engineering & Public Works, Division of Roadway Production
Structural Engineer: The County requested replacement of the existing 4-span bridge, which was approximately 60' long, Bridge PB # 934512. The bridge replacement design located the new structure with a sufficiently clear distance from the existing FPL 138 Kv. overhead transmission line along the east side of Hatton Highway. Hatton Highway was reconstructed to accommodate the selected bridge replacement. A preliminary alternative analysis was conducted to determine the appropriate roadway section, construction requirements, and limits of work. The bridge design was based on providing a similar 3-span arrangement over the canal, 60' clearance. The bridge cross section included two 12' lanes with 8' shoulders, concrete barriers, and no provisions for sidewalks. Wing walls and slope protection were designed to accommodate the new bridge highway alignment and typical section. The bridge design elements were developed in accordance with the County's Thoroughfare Road and Bridge Design Procedures. RJ Behar was responsible for all permit coordination on the project. Successful completion of the plans and specifications was achieved with a final score of 97 out of 100.

Peanut Island Boat Dock & Fishing Pier, Palm Beach County, Florida – Palm Beach County Facilities Development and Operations
Structural Engineer/Inspector who provided expert shop drawing reviews and inspections during construction. The final inspection was made from a boat and identified numerous work tasks that were overlooked or improperly done by the Contractor. RJ Behar coordinated very effectively with the County and the Contractor on this project. There were no change orders on this project. This was a very successful project for Palm Beach County. This project consisted of an extensive rehabilitation of the boat dock and fishing pier at Peanut Island near Riviera Beach. The decking boards were replaced throughout both structures. Spot repairs and partial replacements were made to the handrails and supporting structural members. Other repairs included rubber boat bumpers, lighting, conduits, and signs. RJ Behar's design utilized PDF markups of photos and the original construction plans, new detailed drawings, and specifications.

ERCAR Reports, Indian River, St. Lucie & Osceola Counties, Florida – Florida's Turnpike Enterprise
Structural Engineer in charge of field inspections and report preparation for four Existing Roadway Condition and Assessment Reports (ERCARs). The projects included 22 bridges, 22 box culverts, 7 farm crossings and 12 overhead sign structures. The reports described the condition of each structure and recommended the proposed scope of work for four Turnpike resurfacing projects.

Structure Inspection Program (SIP) Non-STA Structures, Multiple Counties – SFWMD
Structural Engineer/Inspector performing structural inspections of 61 water control structures. These inspections were performed to ensure operational integrity and to avoid partial or total failure that could endanger the lives and safety of the public.

Fuel Tank Platforms at 17 Pump Stations, Miami to Kissimmee, Florida – SFWMD
Structural Engineer who designed platforms, stairways and handrails for fuel tanks. He also performed the engineering during construction services.

Hidden Acres Estates Feasibility Study, Highlands County, Florida – SFWMD
Structural Engineer who performed the structural evaluation of the feasibility to raise 17 mobile homes and attachments above projected flood levels. The project was part of the Kissimmee River restoration project.

SR-A1A Bridge Over Boynton Inlet Bridge Rehabilitation, Palm Beach County, Florida – FDOT, District 4
Structural Design Engineer who prepared plans for replacement of the concrete rails, guardrail attachments, sealing, repairing of joints and also prepared plans for construction of eight new outfalls connecting to an existing seawall. The scope included the design plans for milling and resurfacing (RRR) for five miles of a major rural roadway, including drainage studies, drainage design, pavement marking and signing plans, signal plans, bridge plans, public involvement, lighting and landscape plans.

C-12/C13 Canals Interconnect, Broward County, Florida – Broward County Water and Wastewater Services
Provided Quality Control Reviews of structural design of new gated structure for design of a canal culvert connection, dewatering permit, gated control structures and permitting. This project proposed the construction of a 48-inch RCP pipe connecting the Canal C-12 and the Central Broward Regional Park/C-12 with a gated control structure. The method of construction consists of the installation of a 48-inch pipe under Sunrise Boulevard, using a trenchless methodology (jack and bore tunneling), followed by an open cut methodology.

JOSSMEL CRUZ GARCÍA, P.E., M.S.E.

STRUCTURAL ENGINEER – BRIDGE DESIGN AND MISCELLANEOUS STRUCTURES

EDUCATION

M.S. Structural Engineering, University of Puerto Rico - Mayagüez Campus, July 16, 2017
B.S. Civil Engineering, University of Puerto Rico - Mayagüez Campus, June 2015

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
8	2017 - Present	Pembroke Pines, Florida

PROFESSIONAL REGISTRATIONS

P.E. Florida License No. 97192, 2023

SPECIAL QUALIFICATIONS

- 8th Edition, Florida Building Code (2024)
- Civil (2023)

CERTIFICATIONS

OSHA 30-hour Construction Safety and Health
Level I Unbounded PT Installation Certificate

PROFESSIONAL SOCIETIES

Member of American Society of Civil Engineers (ASCE)

ENGINEERING EXPERIENCE

Mr. Cruz is a civil engineer with a master's degree in structural engineering. At RJ Behar he works in the design of structural elements and performs inspections of infrastructure and building projects. He has also completed environmental permit applications to obtain Sections 404 and 408 from the USACE. He has a thorough understanding of advanced structural engineering and the associated computer skills. His experience has included design of water control structures; miscellaneous structures; signal mast arm foundations; seawall design and rehabilitation; and development of structural applications of metallic, non-metallic or composite materials for ships.

RELEVANT BRIDGE DESIGN AND TRANSPORTATION STRUCTURES EXPERIENCE

Pine Island Road from Griffin Road to Nova Drive, Broward County, Florida – Broward County Construction & Engineering Division

Structural Engineer: He conducted a thorough evaluation of the existing mast-arm to assess its structural integrity and capacity to support additional signal head loads; Analyzed the material properties, dimensions, and load-bearing capacity of the mast-arm to determine its suitability for the proposed modifications; and Identified any deficiencies or weaknesses in the existing mast-arm that required remediation or reinforcement. On the design of the new mast-arms, he developed a comprehensive design for a new mast-arm to accommodate the additional signal head load, adhering to FDOT standards and guidelines; Utilized structural engineering principles and FDOT specifications to determine the appropriate dimensions, materials, and construction techniques for the new mast-arm; and considered factors such as wind loading, traffic conditions, and environmental factors to ensure the structural stability and longevity of the mast-arm. He was also responsible for the design of box culverts with headwalls to facilitate the efficient conveyance of stormwater and drainage in compliance with FDOT regulations and integrated headwalls into the design to provide structural support and prevent erosion or scouring around the culvert openings. Mr. Cruz developed detailed quality control procedures and specifications for the installation of sheet pile walls to ensure compliance with project requirements and industry standards; conducted calculations to determine the appropriate sheet pile dimensions, driving parameters, and reinforcement requirements based on soil conditions and structural loads; and prepared construction plans and drawings depicting the layout, alignment, and specifications for the sheet pile wall installation, including excavation, driving sequence, and tieback anchorage details. The proposed project improvements include bridge modifications, signal mast arms, a 1.7 mile bulkhead wall along the existing CBWCD canal, evaluations of potential noise walls; and permitting. The proposed project improvements include reconstructing the existing roadway from four to six lanes, with a shared use path or bike lanes in each direction.

Port St. Lucie Boulevard from Becker Road to Paar Drive, St Lucie County, Florida – FDOT, District 4

Structural Engineer who assisted with design for construction plans to replace the existing bridge over E-84 canal and supervising the plans production. The existing low-level concrete bridge (No. 945260) crosses over the E-84 Canal using three spans.

GTL off-site Deep Well Injection Wells Improvements - City of Fort Lauderdale, Florida

Structural Engineer. The existing GTL WWTP off-site deep injection wells have been showing a significant grade of deterioration on the main structural concrete. Plans with specific details and required analysis will be developed to repair the concrete structural elements and areas that have been damaged or deteriorated. The rehabilitation will include only the concrete structural elements of the pump station. The pump station electrical, mechanical, and other components will not be part of this project rehabilitation.

SW 87th Avenue Bridge over Canal C-100 WO #1, Miami-Dade County, Florida – Miami-Dade County Department of Transportation and Public Works Engineering, Planning and Development
Structural Engineer for the design of a new bridge over the South Florida Water Management District (SFWMD) C-100 canal. The proposed bridge is located along SW 87th Avenue between SW 163rd Terrace and SW 164th Street and will carry both vehicle and pedestrian traffic.

Booster Stations Seawall Repair #1, Miami-Dade County, Florida – Town of Medley
Structural Designer for designing rows of prestressed soil anchors (or similar drilled-in tiebacks) to provide horizontal resistance for the upper portion of an existing seawall. The repair will run the full length of the south pump station seawall plus roughly 10' on each side of the pump station building. Structural design of the wall will follow the requirements and recommendations of the Florida Department of Transportation Structure Design Guidelines, dated January 2016, Chapter 3 for Retaining Walls. Wall design calculations, assumptions, etc., will be documented in a computation book report. He is also responsible for assisting with hydraulic calculations, estimates of probable cost and permitting.

Hook Square Pump House Replacement – City of Miami Springs, Florida
Structural Engineer for the replacement of one old stormwater pump station (Hook Square) that transfers water from the City's closed canal system to the SFWMD's C-6 Canal. He was in charge of design of the structural modifications, which included a new roof, pump platform, new doors and installation of new ventilation.

Pump Station D-36 Structural Rehabilitation – City of Fort Lauderdale, Florida
Structural Engineer and responsible for the design calculations and plans. RJ Behar completed a full inspection of the station to prepare plans for rehabilitation of the structural elements. The main concerns were related to load bearing structural elements. The repairs included repair of spalled and corroded steel elements, replacing access gates, cleaning and coating of the station (inside and outside), and floor hardening.

S-135 By-Pass Culvert Abandonment and Dike Repairs - South Florida Water Management District (SFWMD)
Project Engineer for design plans for the project. This project involved rehabilitation using chemical grout injection and Cured In Place Pipe (CIPP), of two 96" diameter culverts under the Herbert Hoover Dike at the S-135 Pump Station and required extensive coordination with the USACE. He completed the Engineering During Construction Services.

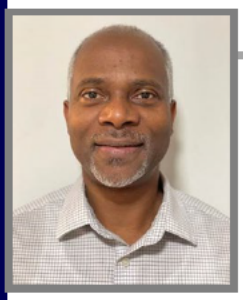
Congress Avenue over Lake Worth Drainage District (LWDD) L-32 Canal Improvements, Palm Beach County, Florida – Palm Beach County Engineering & Public Works Roadway Division (PBCE&PWRD)
Structural engineer for the design of a concrete barrier wall on the southeast side of the bridge. The concrete barrier modifications will extend from the existing bridge barrier, behind the sidewalk.

S9 & S9A, Trash Rake and Pump Station Refurbishment Bridge Slab Design, Broward County, Florida – Harry Pepper.
Specialty Structural Engineer for design of the trash rake bridge slab reinforcing. The plans called for a prestressed and post tensioned slab bridge. RJ Behar requested to design the slab using a 12" Florida Slab Beam and it was accepted as a design change. This task included performing the structural calculations for the reinforcing and preparing shop drawings for the bridge slab units. The design loading was the HL-93 and SFWMD 60-Ton Truck Crane (GROVE TMS700E).

Pedestrian Bridge over the Biscayne Canal, Miami-Dade County, Florida – City of North Miami
Structural Engineer for the construction design plans of a new pedestrian bridge over the Biscayne Canal. The existing bridge is located between NE Second Avenue and Griffing Boulevard, approximately 1,400-feet south of the existing N.E. 135th Street vehicular bridge. The existing bridge carries both pedestrians and utilities. The new pedestrian bridge will replace the existing pedestrian bridge in its entirety. All existing abandoned utilities currently mounted to the bridge will be removed and no allowance for future utilities will be accommodated on the new bridge. The bridge design includes the investigation of two alternatives considering span configuration, material type and foundation supports for the bridge main span crossing Biscayne Canal. Select main span bridge type, aesthetics, and layout. Determine abutments, retaining walls, and approach span layout for the preferred main span configuration. Prepare preliminary and final plans for the proposed bridge.

Linton Boulevard Bascule Bridge Railing Upgrades Palm Beach County, Florida
Structural Engineer: The project includes replacing and upgrading the existing bridge railings. The proposed railing system and sidewalk brackets will weigh less than the existing to avoid strengthening of the existing main girders.

Paint Two Bridges of Turnpike Main Line over Rim Ditch Canal (C-24), St. Lucie County, Florida - Turnpike Enterprise
Structural Designer in charge of construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91/Florida's Turnpike. He conducted the field inspection and is working on the plans preparation.



GERARD NAZAIRE JR. PE, MSCE

SR. STRUCTURAL/BRIDGE ENGINEER

EDUCATION:
M.S. Structural Engineering, Florida International University, 2014
B.S. Civil Engineering, Florida International University, 1999

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
23 Years	2023 – Present	Pembroke Pines

PROFESSIONAL REGISTRATIONS
P.E. Florida License No. 74536, 2012

ENGINEERING EXPERIENCE

Mr. Nazaire is a civil and structural engineer with 23 years of combined experience in structural and bridge engineering; his expertise includes finding the most efficient ways to obtain solutions to problems. He has developed Mathcad sheets to perform steel design, and the connections of steel structures, as well as Mathcad sheets to perform design using the AASHTO Strip Method. He communicates the steps of his efforts to the team to make sure the approach he follows is the most time efficient to obtain the goals established. Mr. Nazaire has extensive knowledge and application of the following software programs: LEAP Bridge Concrete, FB Pier, LARSA, STAAD, Mathcad, Shoring Suite, CWALSH, Open Bridge Modeler, Geopak, Microstation, Auto Cad, and Microsoft Office.

RELEVANT EXPERIENCE

I-75W2 Structure Replacement, Collier County, Florida – South Florida Water Management District (SFWMD)
Structural Engineer performing structural analysis and design of the control building for the construction of a new, locally, and remotely operated, water control structure in the alignment of the I-75 Canal.

Pedestrian Bridge over the Biscayne Canal, Miami-Dade County, Florida – City of North Miami
Structural Engineer for the construction design plans of a new pedestrian bridge over the Biscayne Canal. The existing bridge is located between NE Second Avenue and Griffing Boulevard, approximately 1,400' south of the existing N.E. 135th Street vehicular bridge. The existing bridge carries both pedestrians and utilities. The new pedestrian bridge will replace the existing pedestrian bridge in its entirety. All existing abandoned utilities currently mounted to the bridge will be removed and no allowance for future utilities will be accommodated on the new bridge. The bridge design includes the investigation of two alternatives considering span configuration, material type and foundation supports for the bridge main span crossing Biscayne Canal. Select main span bridge type, aesthetics, and layout. Determine abutments, retaining walls, and approach span layout for the preferred main span configuration. Prepare preliminary and final plans for the proposed bridge.

Hook Square Pump House Replacement, Miami-Dade County, Florida – City of Miami Springs
Structural Engineer for the plans design of the replacement of an old stormwater pump station (Hook Square) that transfers water from the City's closed canal system to the SFWMD's C-6 Canal. This pump provides flood control to local residents, and businesses located in the basin, as well as several neighboring communities along South Royal Poinciana. The work will include replacing the existing wood deck and steel beams where the existing pump is located and replacing the building roof in coordination with the project architect. To replace the wood deck, RJ Behar will evaluate using galvanized steel grating.

I-95/SR 9 Interchange at 6th Avenue South, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4
Structural Engineer responsible for the quality control/quality assurance of the MSE walls.

OTHER RELEVANT EXPERIENCE

Old Seven Mile Bridge Repair Project, Monroe County, Florida – (FDOT), District 6
Senior Structural Engineer who Performed a 3-D Modeling of steel frame structure to facilitate the repair of a damaged pier of the Old Seven Mile Bridge, along with its connections. **Company**: Chrome Engineering, Inc.

Bridge over Seaview Canal, Monroe County, Florida – FDOT, District 6
Senior Structural Engineer. He performed the design and rating of the reinforced concrete slab bridge over the Seaview Canal, as well as detailed the plans. **Company**: Chrome Engineering, Inc.

SR 90/US 41/SW 8th Street at SW 109th Avenue Pedestrian Bridge Replacement, Miami-Dade County, Florida – FDOT, District 6
Project Engineer who performed a 3-D Modeling of the Cable-Stayed FIU Pedestrian Bridge using LARSA in order to obtain the stresses in the cables and reactions at the supports; also performed the preliminary deck design of the bridge using the AASHTO strip method and performed analysis of piers and foundations of the bridge.

HANS MURZI, PE, CFM

WATER RESOURCES ENGINEER/PERMITS

EDUCATION

M.S. Environmental Engineering, Florida International University, 2002
B.S. Chemical Engineering, University of Los Andes, Merida, Venezuela, 2000

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
22 Years	2014 – Present	Pembroke Pines

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 67767, 2008
- Certified Floodplain Manager
- Qualified Stormwater Management Inspector

PROFESSIONAL SOCIETIES

- Tao Chi Alpha – Environmental Engineers Honor Society
- Water Environment Federation
- American Society of Civil Engineers

ENGINEERING EXPERIENCE

Mr. Murzi is a water resources engineer with experience including hydrologic and hydraulic analysis and modeling of rivers and flood control systems, natural resources restoration projects and watershed management. He has extensive experience in roadway drainage design, drainage field inspections, drainage plan reviews and QA/QC of water resources models and drainage reports. His experience includes the use of several computer programs such as XPSWMM, HEC-RAS, AdICPR, MIKE SHE/MIKE 11, ASAD, ArcGIS. Mr. Murzi is a Certified Floodplain Manager. He is also member of the ACEC-FL Water Resources Committee. Mr. Murzi serves as one of two District Drainage Engineers for the Central Broward Water Control District.

RELEVANT EXPERIENCE

Pedestrian Bridge over the Biscayne Canal, Miami-Dade County, Florida – City of North Miami
Project Manager for the replacement of the existing Pedestrian Bridge over the South Florida Water Management District C-8 canal (Biscayne Canal). The new pedestrian bridge will replace the existing pedestrian bridge in its entirety. All existing abandoned utilities currently mounted to the bridge will be removed and no allowance for future utilities will be accommodated on the new bridge. Design services include roadway plans including general construction plan and profile sheets, typical sections, detail sheets, traffic control plans, erosion control details and plans. Bridge design includes to investigate two alternatives considering span configuration, material type and foundation supports for the bridge main span crossing Biscayne Canal. Select main span bridge type, aesthetics, and layout. Determine abutments, retaining walls, and approach span layout for the preferred main span configuration. Prepare preliminary and final plans for the proposed bridge. The scope of work also includes utility coordination, permitting with SFWMD, USACE, and Building Department.

Oakhill Culvert Replacement, Broward County, Florida – Town of Davie
Project Engineer during design and Project Manager during construction. He was responsible for the design, including quantities and cost estimates. The project consisted of the coordination, design, permitting, and bidding assistance for the replacement of a culvert bridge in the Oakhill neighborhood.

Cypress Weir 1 (Gold4A) Relocation Design, Collier County, Florida – South Florida Water Management District
Hydraulics Engineer. He performed the HEC-Ras Modeling of the new structure, the riprap design and the site drainage calculations. The project is to relocate Cypress Canal Weir #1 (GOLD4A), in Naples, FL. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. The new structure includes a bridge over the Cypress Canal, new gates, control buildings, stilling well platforms on concrete piles and miscellaneous appurtenances.

Seawall Design at Tobie Wilson Park, Miami-Dade County, Florida – Town of Medley
Project Engineer responsible for preparing the fill and dredge plans and permitting packages for SFWMD (ERP and ROW) and USACE (Sections 404 and 408). The scope of work included a design of approximately 850 feet of a new bulkhead wall located along the south bank of the Miami Canal.

Booster Stations Seawall Repair #1, Miami-Dade County, Florida – Town of Medley
Project Engineer responsible for preparing the fill and dredge plans and permitting packages for SFWMD (ERP and ROW) and USACE (Sections 404 and 408). The project included repair of damaged seawalls after hurricane Irma.

Central Broward Water Control District (CBWCD) Engineer Services – Broward County, Florida
District Engineer responsible for reviewing plat submittals, paving and grading plans and as-built plans for development permits in the CBWCD. Responsibilities include ensuring that all site plans comply with CBWCD engineering criteria, review and evaluate requests for variances, and provide technical support to CBWCD Board during public hearings for variances request. Site visits are performed as necessary as well as coordination with CBWCD staff in order to ensure that site development requirements are met.

Turnpike Widening from Johnson Street to Griffin Road, Broward County, Florida – Florida Turnpike Enterprises
Drainage Engineer responsible for the stormwater management design, AdICR modeling and Pond Siting Report for the project. RJ Behar is responsible for the Location Hydraulics Technical Memorandum, Stormwater Management Concepts Report, Pond Siting Report/Stormwater Management Alternatives Report and Stormwater Management Design Report.

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County
Project Engineer: Drainage design includes a series of interconnected French drains with drainage wells. The design was especially challenging because of the presence of contamination in several parts of the project. Drainage design included a series of drainage wells and outfall. The project included the design of a 72" culvert, which discharges to Biscayne Bay. The culvert will serve as an outfall for the NE 151st Street and Bay Vista Boulevard project. The culvert was permitted with Miami Dade County Department of Regulatory and Economic Resources (DRER) and the SFWMD. NE 151st Street is an off-system roadway bound by the Florida Greenbook, for its design criteria. He was responsible for the drainage design and permitting.

I-95 at 6th Avenue Final Design, Palm Beach County, Florida – Florida Department of Transportation (FDOT) D4
Project Drainage Engineer. The project includes widening of ramps and of 6th Avenue South as part of the Interchange Improvements, milling and resurfacing, adding bike lines, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure.

S-40, S41 and S-44 Gate Replacements and Concrete Repairs, Palm Beach County, Florida – SFWMD
Project Engineer for civil design and permitting packages (fill and dredge plans). The project consisted of the design, fabrication and installation of new stainless steel vertical lift roller gates and frames for coastal structures S-40, S-41 and S-44; replacing the existing hydraulic hoist systems to a new cable (rope) drum hoist system for structures S-40 and S-41; furnishing and installing riprap at the embankments for structures S-40, S-41 and S-44; and to address civil/structural/mechanical/electrical deficiencies.

Lyons Park Neighborhood Improvement Project, Pompano Beach, Florida – City of Pompano Beach
Assistant Project Manager: He was responsible for the preparation of the stormwater design of the proposed improvements. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project is intended to improve the drainage systems within the project area.

SR-5/US-1 Lateral Ditch Restoration, Indian River County, Florida – FDOT, District 4
Project Engineer: He assisted with the permit package and with the plan's preparation. The permitting included evaluation of impacts to endangered species, mangroves, sea grasses, and oyster reefs. RJ Behar prepared the permit packages and the fill and dredge sketches for permitting of the project.

NW 87th Avenue, Miami-Dade County, Florida – FDOT, District 6
Project Engineer responsible for revisions to the drainage design. He prepared the dewatering plan and permit package for the SFWMD dewatering permit.

Alhambra Place Drainage Improvements Study, Palm Beach County, Florida – City of West Palm Beach
Project Manager/Engineer of Record who was responsible for the field visits, data collection, evaluation of existing conditions, evaluation of possible alternatives to mitigate flooding conditions, and preparing a report with the summary of findings and recommendations. Among the alternatives studied were the use of French drains, adding additional inlets and increasing the size of existing outfalls.

Little Country Estates Stormwater Improvements, Broward County, Florida – Town of Davie
Project Manager/Lead Engineer for the report preparation and design.

Municipal Separate Storm Sewer System (MS4), National Pollutant Discharge Elimination System (NPDES), Stormwater Assessment Program, Miami-Dade County, Florida – City of Hialeah
Project Engineer who was responsible for preparing the City Assessment Program Annual Report. This permit covers all areas located within the political boundary of the City of Hialeah that is served by the MS4 owned or operated by the City. The purpose of this assessment program is to provide information for the City of Hialeah to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.

48-Year Community Block Grant Development Improvements, NW 9th Street between NE 2nd Avenue and N. Dixie Highway, Broward County, Florida – City of Hallandale Beach
Project Manager/EOR for the roadway and drainage design. The scope included drainage improvements, milling and resurfacing, swale regrading, sodding and other miscellaneous improvements. RJ Behar performed the data collection, project management, utility coordination, permitting, drainage design, and plans production of the project.

ELMER CARDENAS, MS, PE, CEI

SR CIVIL ENGINEER – CERTIFIED ENVIRONMENTAL INSPECTOR

DRAINAGE/HYDROLOGY/PERMITS

EDUCATION

MS Environmental Engineering, Florida International University, 2001
BS Civil Engineering, National University of Engineering, Lima, Peru, 1984

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
37 Years	2014 – Present 2001 – 2004	Pembroke Pines

PROFESSIONAL REGISTRATIONS:

Professional Engineer Florida License No. 62988, 2005
Certified Environmental Inspector, Environmental Assessment Association, EA-17007

ENGINEERING EXPERIENCE

Mr. Cardenas has numerous years of engineering experience. He is responsible for the design and plans preparation for civil engineering, water resource, and sanitary sewer projects. He has extensive experience in environmental engineering and utility projects and has designed and supervised construction of water distribution systems and drinking wells. He has experience with the use of Environmental models: SWMM (Stormwater Management Model), and HSSM (Hydrocarbon Spill Screening Model) and hydraulic models AdICPR, ASAD and HEC-RAS. Mr. Cardenas is a Certified Environmental Inspector and has prepared numerous environmental site assessments.

RELEVANT EXPERIENCE

Port St. Lucie Boulevard from Becker Road to Paar Drive, St Lucie County, Florida – Florida Department of Transportation (FDOT), District 4/Florida Highway Administration (FHWA)

Project Engineer responsible for the preparation of the Bridge Hydraulics Report (BHR) for the bridge located over E-84 canal. The project includes reconstruction of Port St. Lucie Boulevard from 2-lanes rural section to 4-lanes urban curb and gutter section with shared use path on both sides of the roadway; replacing of the existing bridge over E-84 canal; installing a closed drainage system and new signalized intersection (mast arms) at SW Gig Place. Other improvements include signing and pavement marking, lighting and landscape.

Paint Two Bridges of Turnpike Main Line over CR 709 in St. Lucie County, Florida – Turnpike Enterprise

Project Engineer of a project to prepare construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He prepared the Quality Control and Assurance plan and assisted with in-house production.

Paint Two Bridges of Turnpike Main Line over Rim Ditch Canal-24, St. Lucie County, Florida – Florida Turnpike Enterprise

Project Engineer of a project to prepare construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He prepared the Quality Control and Assurance plan and assisted with in-house production.

Atlantic Shores Boulevard Improvements, Broward County, Florida – City of Hallandale Beach

Project Engineer responsible for drainage design and permitting. The project consists of providing design development and construction administration for Atlantic Shores Boulevard improvements. RJ Behar prepared a Sea Level Rise and Sustainability Memorandum aimed at addressing these concerns and providing possible solutions and methods for a more resilient design. RJ Behar completed a preliminary evaluation of costs for upgrading the water and sewer infrastructure and completed the drainage design and permitting packages for the project.

SR 710/Warfield Boulevard from MP 9.771 to MP 14.945, Martin County, Florida – FDOT, District 4

Project Engineer responsible for peer review of drainage report and roadway drainage plans.

I-95 at 6th Avenue Interchange Design, Palm Beach County, Florida – FDOT, District 4

Project Engineer who assisted with the drainage analysis and report. The project includes widening of ramps and of 6th Avenue South as part of the Interchange Improvements, milling and resurfacing, adding bike lines, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure.

Stormwater Improvements Area West of Hiatus Road Phase II, Broward County, Florida – Town of Davie

Project Engineer who was responsible for drainage design for the improvements. The project scope consists of the design for the stormwater to improve the flooding conditions within the project area.

Gilbert Samson Ocean Front Park, Miami-Dade County, Florida – City of Sunny Isles Beach
Project Engineer for the design of the sanitary lift station. Scope of services included the design and permitting of the proposed sewer line and grinder pump on the property, in conjunction with managing all the design aspects of the project. RJ Behar was also responsible for the site geometry, grading, and drainage design.

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County
Project Engineer. The drainage design for the project includes a series of interconnected French drains with drainage wells. The design was especially challenging because of the presence of contamination in several parts of the project. The project is permitted with the South Florida Water Management District, the Miami Dade Department of Environmental Protection (DERM) and the United States Army Corps of Engineers (USACOE).

Fort Lauderdale-Hollywood Airport Pedestrian Bridges, Broward County, Florida – Broward County Aviation Department
Project Engineer: He assisted with the inspection and providing RPR services for the pedestrian Bridges Soffit Replacement at Terminals 2, 3, and 4.

Fort Lauderdale-Hollywood Airport T-4 Expansion, Broward County, Florida – Broward County Aviation Department
Engineer of Record representative during construction phase for the T-4 terminal expansion. His duties included technical review of submittals and maintenance manual review, responding to RFI's, engineering support during construction, substantial completion review, final acceptance and completion review, field inspections, preparation of final record drawings and permit closeout. He witnessed several waterline tests. He also provided daily inspections, monitoring of the construction operations and reporting for the removal of floating product using skimmers and installation of an air sparging system as part of the contaminated soils remediation plan.

NW 102nd Avenue from NW 142nd Street to NW 145th Place, Miami-Dade County, Florida – City of Hialeah
Project Engineer for the drainage report and permitting. He was responsible for drainage design and preparing all the permit applications and obtaining the permits.

Lyons Park Neighborhood Improvement Project, Broward County, Florida – City of Pompano Beach
Project Engineer for the preparation of the Basis of Design Report (BODR), sanitary sewer design of the wastewater collection system and schematic design of proposed water improvements. The purpose of the project is to improve the drainage system, replace sanitary sewer lines, replace the water service lines to meet the newer city standards. Services included data collection, utility coordination, permitting, and cost estimating.

West Avenue Neighborhood Improvements, Miami-Dade County, Florida – City of Miami Beach
Project Engineer: He provided field reviews for development of the scope of the improvements. The proposed project involves the design and construction of the neighborhood improvements. Services include water and sewer upgrades.

Turnpike Widening from Johnson Street to Griffin Road, Broward County, Florida – Florida Turnpike Enterprises
Drainage Engineer responsible for the stormwater management design. RJ Behar is responsible for the Location Hydraulics Technical Memorandum, Stormwater Management Concepts Report, Pond Siting Report/Stormwater Management Alternatives Report and Stormwater Management Design Report.

Alture Westland Sanitary Sewer Upgrade, Miami-Dade County, Florida – City of Hialeah
Project Engineer who is responsible for the preparation of plans and specifications to replace an existing sanitary sewer with larger pipes. The project is due to an agreement with DERM and requires replacing/upsizing the last two segments of sanitary sewer coming from the west side into Pump Station 116. The length of the sanitary sewer pipes requiring upgrading is approximately 450 feet.

Public Works Surface Water License Modifications and Parking Lot Design, Broward County, Florida – City of Hallandale
Project Engineer who is responsible for drainage permitting modification with Broward County Environmental Protection and Growth Management Department (BC EPGMD). The purpose of this project is for the reconfiguration of the Public Works compound (DPW) to better utilize the existing space. The City desires to fill in the area located in the northwest corner of DPW that is currently occupied by a stormwater retention pond. This area would be used for the city's sanitation fleet vehicles. The scope of services will include design of the new parking lot (geometrics, grading, drainage, lighting) and modification of the existing water surface permit/license.

Lift Station 107 Rehabilitation, Broward County, Florida – City of Sunrise
Project Engineer for the preparation of the site plans and civil design of the project. The project involved rehabilitating the existing lift station, converting the existing wet pit/dry pit design to a submersible pump configuration and partially filling the existing dry well, converting it to a valve vault.

CARMELO J. RAMOS, P.E.
ELECTRICAL ENGINEER

EDUCATION
M.S. Engineering Management, 2012, Polytechnic University of Puerto Rico
B.S. Electrical Engineering, 2007, Polytechnic University of Puerto Rico

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
13	2019 - Present	Pembroke Pines

PROFESSIONAL REGISTRATIONS
P.E. Florida License No. 77953, 2012

SPECIAL QUALIFICATIONS
Advanced Building Code Course Credit, 2019
Electrical & Computer, 2014

ENGINEERING EXPERIENCE

Mr. Ramos is a Senior Electrical Engineer with experience in planning, design, construction, alteration, maintenance, repairs and life cycle support of building assets. He has experience with high voltage power distribution, electrical design for commercial, residential and military facilities. At RJ Behar, he provides support with electrical and lighting design of sites and building facilities. He is proficient in the software skills of IBM Maximo, AutoCAD, Solid Work, Microsoft Office, and multiple Project Management Programs.

RELEVANT EXPERIENCE

I-75W2 Weir Structure Replacement Design - South Florida Water Management District (SFWMD)
Senior Electrical Engineer for the electrical, controls and electrical offsite service, and preparation of the Design Documentation Report for the construction of a new, locally and remotely operated, water control structure in the alignment of the I-75 Canal in Naples, Florida. He is coordinating with FP&L and the design team.

Hook Square Pump House Replacement, Miami-Dade County, Florida – City of Miami Springs
Senior Electrical Engineer. He provided electrical design for the replacement of one old stormwater pump station (Hook Square) that transfers water from the City's closed canal system to the SFWMD's C-6 Canal. The station will have a new 10,000 gpm, 40 hp vertical propeller pump and other improvements.

Public Works Surface Water License Modifications and Parking Lot Design, Broward County, Florida – City of Hallandale
Electrical Engineer who is responsible for lighting design for the new parking lot. The purpose of this project is for the reconfiguration of the Public Works compound (DPW) to better utilize the existing space. The City desires to fill in the area located in the northwest corner of DPW that is currently occupied by a stormwater retention pond. This area would be used for the city's sanitation fleet vehicles. The scope of services will include design of the new parking lot (geometrics, grading, drainage, lighting) and modification of the existing water surface permit/license.

SW 87th Avenue Bridge over C-100 Canal, Miami-Dade County, Florida – Miami-Dade Department of Public Works
Senior Electrical Engineer who provided the design for the lighting system of the new bridge. The electrical design for the project included coordination with FP&L for the service point, design of inset light fixtures, 70-watt LED, wall mounted luminaires with asymmetrical distribution, mounted on the surface of the bridge's concrete barrier.

S-135 By-pass Culvert and Dike Repairs, Martin County, Florida – SFWMD
Senior Electrical Engineer. He provided design of electrical modifications for abandonment of two 96-inch bypass culverts and removal of the actuated gates. The Final design included the repair of the By-pass culvert using chemical grout injection on the outside of the culverts and Cured In Place Pipe (CIPP) lining of the culvert's interior instead of abandoning the culverts.

Riverview Pump Station New Generator Post Design Services, Miami-Dade County, Florida – City of Miami
Senior Electrical Engineer who provided assistance during Post Design Services with inspections of the electrical work. The work on this project included the removal of the existing generator and the installation of a new 800Kv generator.

S-169W Relocation & C-20 Canal Armoring, Clewiston, Florida – SFWMD
Senior Electrical Engineer who provided inspection of electrical components including, panels installation, service meter, gate control panels, service pole raiser connection, and Generator Room. This Project encompasses construction of a new, remotely operated structure with four 8' by 11' gated, cast-in-place concrete box culverts. The project also included re-grading and riprap armoring of approximately 8,200 linear feet of the C-20 canal banks.

Cypress Canal Weir #1 (GOLD4A Relocation) Design, Naples, Florida – SFWMD
Senior Electrical Engineer: The new project included the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. Mr. Ramos was in charge of the electrical design for the control building, gates, stilling wells, site, and site illumination. He assisted with the FP&L coordination, electrical design, electrical elements of the cost estimates and the specifications.

NESTOR SANTANA, PE
SENIOR PROJECT ENGINEER
STRUCTURAL INSPECTIONS/COST ESTIMATES

EDUCATION
B.S. Civil Engineering, University of Puerto Rico, 1994

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
30 Years	2014 – Present	Pembroke Pines

PROFESSIONAL REGISTRATIONS: P.E. Florida License No. 85785, 2018

CERTIFICATIONS: **TIN#:** S535636684490

- Final Estimates I & II
- QC Manager
- Earthwork I & II
- Asphalt I & II
- FDOT Critical Structures Construction Issues
- Radiation Safety Officer
- Nuclear Gauge Hazmat Training
- Advanced Temporary Traffic Control Plans

ENGINEERING EXPERIENCE

Mr. Santana has years of experience in construction management for new construction and remedial projects of existing structures for the educational, pharmaceutical, sports and recreation, commercial sectors, roadway, and water/wastewater modernization programs. He has been responsible for the coordination, supervision, and inspection of a variety of public and private projects from budgeting to completion. He has been accountable for ensuring quality, safety, and schedules according to specifications, reviewing contract plans/specifications covering all building construction and mechanical and electrical installations, and developing preliminary findings on specifications, estimates, and recommendations for contract change orders. He brings specific relevant experience in civil work projects related to construction of concrete, steel, pumping stations, spillways, culverts, bridges, as well as site preparation to find technical solutions under difficult soil, foundation, and climatic conditions. His structural engineering experience includes design of steel frame structures, concrete and masonry.

RELEVANT EXPERIENCE:

Matheson Hammock Park Bridge Rehabilitation CEI, Miami-Dade County, Florida – Miami-Dade County DTPW
Senior Project Engineer and contract manager responsible for overseeing the staff assigned to the contract. Project scope is for the rehabilitation of the Matheson Hammock Park Road bridge over the Matheson Hammock Canal (Bridge No 874294). The existing bridge is a 100-foot three span, sonovoid slab bridge, approximately 35 feet wide. It includes concrete spalls repairs, delamination and cracks, installation of Carbon Fiber Reinforced Polymer wraps and structural jacket around a designated column and removal and replacement of existing post-tensioned wires/bars/strands.

NW South River Drive (121W-116W) CEI Services, Miami-Dade County, Florida – Town of Medley
Senior Project Engineer responsible for overseeing construction operations, administration, management, quality control, monthly and final estimates (close-out package). His responsibilities included oversight of construction operations, administration, public relations, quality control, final estimates and claims analysis. He ensures the safety, schedule, cost tracking, estimating, and forecasting on the project. The project consists of roadway and drainage improvements along NW South River Drive between NW 116th Way to NW 121st Way. The work includes, but is not limited to, the construction of a new drainage system with exfiltration trench, pipe culverts within an outfall the C-6 canal. The installation of concrete curb and gutter, curb inlets, manholes, valley gutter, guardrail, asphalt, signing and pavement markings, and installation of bike lanes on both sides of roadway.

GTL Off-site Deep Well Injection Wells Improvements, Broward County, Florida – City of Fort Lauderdale
Project Manager and Engineer of Record: The existing GTL WWTP off-site deep injection wells have been showing a significant grade of deterioration on the main structural concrete. Plans with specific details and required analysis were developed to repair the concrete structural elements and areas that have been damaged or deteriorated. The rehabilitation included only the concrete structural elements of the pump station.

Lakeside Community Hurricane Damage Repair, Miami-Dade County, Florida – Town of Medley
Cost Estimator who was responsible for the cost data to repair the damaged seawalls due to Hurricane Irma. Erosion control methods, pollution prevention precautions, and earthwork construction are included in the project. The project included a comprehensive structural assessment report, identifying any seawall deficiencies along the whole perimeter of the Lakeside Community Center. He participated in preparing the FEMA documents required to secure funding for the repairs.

G94 CMS Inspection Services, Palm Beach County, Florida – SFWMD
Onsite Representative: He assisted with inspecting the progress of the work, reviewing the Contractor's work is in compliance the specifications, documenting the progress of the work through daily reports and pictures, in coordination with the District Project Manager. The work includes refurbishment of G94A, G94C and G94D and removal of USFWS P1 Pump and G94B.

L31N Levee Seepage Wall Project and 8.5 SMA Limited Curtain Wall Design, Miami-Dade County, Florida - South Florida Water Management District (SFWMD)

Cost Estimator. He prepared the cost estimates for the 2.3 miles of seepage wall in the 8.5 square mile area. The seepage/curtain wall was made using a cement-bentonite slurry mix and was approximately 64 feet deep. He also worked on the Engineering During Construction Services.

S-135 By-Pass Culvert Abandonment and Dike Repairs, Broward – SFWMD

Cost Estimator: He prepared the cost estimates during the Design Development Report and for the final design for the project. This project involves repair of two 96" diameter culverts under the Herbert Hoover Dike at the S-135 Pump Station and required extensive coordination with the United States Army Corps of Engineers.

S-151 Structure Replacement and Automation Completion CMS – Broward County, Florida – SFWMD

Construction Manager: The project consisted of the removal of six 7' by 98' corrugated metal pipes, along with the existing wood deck structure, existing gates, fencing, stilling wells, staff gauges, rain gauge, etc.; construction of four (4) cast in place concrete 8' wide by 8'high by 36' long box culverts with wing walls, stop log recesses, remote-controlled stainless-steel gates, stilling wells, relocation of existing staff gauges, concrete platforms, LP tank, fencing, gates, new precast control building for system controls and generator. RJ Behar provided an on-site representative to observe and document the construction. His responsibilities included construction planning, cost control, time management, quality control, construction contract administration, and CM professional practice which includes specific activities like defining the responsibilities and management structure of the construction management team, organizing and leading construction by implementing project controls, defining roles and responsibilities and developing communication protocols, and identifying elements of project design and construction likely to give rise to disputes and claims.

Riverview Pump Station New Generator, Fire Suppression and Main Switch Disconnect, Miami-Dade County, Florida – City of Miami

Cost Estimator who prepared cost estimates and specifications for the replacement of the Riverview Pump Station Emergency Generator and pumps interconnection in the City of Miami. The pump station is part of the city's stormwater system. The project also includes a subconsultant design of a new Fire Suppressant System and Main Switch Disconnect for the Pump Station.

Cypress Weir 1 (Gold4A) Relocation Design, Collier County, Florida – SFWMD

Cost Estimator. He prepared the cost estimates for the project. The project is to relocate Cypress Canal Weir #1 (GOLD4A). The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2,000 ft east of the existing weir. The new structure includes a bridge over the Cypress Canal, new gates, control buildings, stilling well platforms on concrete piles and miscellaneous appurtenances. He also worked on Engineering During Construction Services.

Lyons Park Neighborhood Improvement Project, Construction Management Services, Broward County, Florida – City of Pompano Beach

Senior Project Engineer. He is responsible for overseeing construction operations, attending progress meetings, administration, management, quality control, monthly and final estimates (close-out package). His responsibilities include oversight of construction operations, administration, public relations, quality control, final estimates and claims analysis. He ensures the safety, schedule, cost tracking, estimating, and forecasting on the project. This project includes the design for the relocation of the sewers to the street's right-of-way and new lateral services. The project also includes design of waterline relocations in areas where there are conflicts with other improvements. As part of the project, all the streets will be reconstructed, with new pavement markings, and completely new stormsewer system, sanitary sewer system, and regraded swales. The design included structural design of seawall repairs for new outfalls.

W. 28th Avenue Sidewalk/Guardrail Improvements CEI Services, Miami-Dade County, Florida – City of Hialeah/Florida Department of Transportation (FDOT), District 6/Federal Highway Administration (FHWA)

Senior Project Engineer/Project Administrator who administered the contract, budget, contract time, and inspection staff. He was responsible for the contractor's performance and progress in conformance with the plans and specifications, reviewing and keeping track of contractor submittals – shop drawings, requests for information (RFIs), project schedule analysis and implementation in a challenging 60-day project, which was completed on time and on budget without change orders. He approved and reviewed project daily reports; contractor's monthly progress estimates; managed and directed progress meetings, meeting agendas and minutes; coordinated with stakeholders, including the various agencies, the City of Hialeah, utility companies, and neighboring businesses; performed final inspection with FDOT, prepared the punch list, issued substantial and final completion certificates to the contractor; reviewed and approved project final as-builts, material certifications, and prepared and submitted the closeout package as per LAP Project requirements.

STACY SOOKDEW-SING

GRANT ASSISTANCE/PUBLIC INVOLVEMENT

EDUCATION
High School Graduate, North Miami Senior High School

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
21 Years	2008 – 2019 / 2021 – Present	Pembroke Pines

CERTIFICATIONS:

- Final Estimates Level I & II
- Earthwork Construction Level I
- Asphalt Paving Level I
- Advanced Maintenance of Traffic
- QC Manager
- Stormwater Erosion Inspector
- Statewide Training Program for Florida Resident Compliance Specialists

TIN #: S23278171664

- FDOT-12 Hour Training Program; EEO, DBE and Payroll Compliance on Local Area Project Including USDOT, OIG Video
- FDOT Resident Compliance Training
- FDOT 8 Hour LAP Workshop
- US Wage and Hour Division, Prevailing Wage Rate Conference
- FDOT Critical Structures

ENGINEERING EXPERIENCE

Ms. Sookdew-Sing has more than 21 years of experience as a Project Administrator, Contract Support Specialist, Senior Resident Compliance Specialist, as well as a Public Information Officer and Inspector on a variety of projects throughout Miami-Dade, Broward, and Palm Beach Counties for the Florida Department of Transportation (FDOT) and local agencies. She received the "Professional Manager of the Year" award for stormwater projects from the American Public Works Association (South Florida Chapter) in recognition of her professionalism and performance in the management of the Manta Drive Roadway Improvements project for the Town of Cutler Bay. She has experience with site-management entries, monthly and final estimates, preparing and processing weekly reports, progress reports, and standard weather letters, as well as reviewing quantities and as-builts. Ms. Sookdew-Sing has prepared close-out packages, attended and managed meeting minutes, performed document control, data entries and monthly invoicing utilizing the appropriate electronic data management system for each task.

REVELANT EXPERIENCE:

SE 15th Avenue Bridge Replacement Local Agency Program Project, Broward County, Florida – City of Fort Lauderdale – Florida Department of Transportation (FDOT) D4

Resident Compliance Specialist who provided reviews of the Davis-Bacon wage documentation. She was responsible for reviewing weekly certified payrolls, issuing payroll violations when necessary, and ensuring the contractor was in compliance per the FDOT and USDOL requirements. Her other duties included maintaining the compliance files and spreadsheets, conducting interviews, performing a monthly inspection of the bulletin board, and making certain the contractor conformed to all the project EEO/AA requirements. She reviewed the DBE contractor's payments entered and made sure that all documents were uploaded into the EOC system. She also uploaded project documents into the LAPIT database and attended the weekly progress meetings, as well as all audits conducted for the project.

SR-820/Pines Boulevard and I-75/SR-93 Interchange Construction Engineering Inspection, Broward County, Florida – City of Pembroke Pines/FDOT, District 4/FHWA

Resident Compliance Specialist responsible for a $11.2 million Local Agency Program (LAP) between the City of Pembroke Pines and FDOT, District 4. She ensured all compliance with the FDOT/FHWA requirements. Her duties as an RCS included monitoring DBE participation, EEO/AA compliance, and reviewing all certified payrolls for the prime contractor and the subcontractors. This was a federally funded project involving improvements to the I-75/Pines Boulevard Interchange, including updated modifications to the existing interstate overpass, entrance and exit ramps, from a rural configuration to an urban configuration, as well as widening and signalization improvements along Pines Boulevard.

Grants Manager Assistance, Broward County, Florida – Town of Davie

Grant Assistance – She assisted the Town of Davie with The Florida Department of Transportation Local Agency Program "LAP" in their various reporting requirements associated with these Grants. The intent of the task is to provide professional services support for the Town's various grant projects to fulfill the requirements under the respective programs, which will facilitate achieving full reimbursement of the funds. Also included assisting the Town's various departments with achieving compliance on the numerous grants the Town has either obtained or is in the process of obtaining funds from multiple agencies and their programs.

HECTOR ROSARIO, E.I.

ENGINEER INTERN – MISCELLANEOUS STRUCTURES, BUILDING, DRAINAGE, PERMITS

EDUCATION: B.S. Civil Engineering, Polytechnic University, Puerto Rico, 2003

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
22 years	2017 – Present	Wellington

PROFESSIONAL REGISTRATIONS: Engineer Intern #: 1100022580, 04/24/2019

CERTIFICATIONS: Construction Safety and Health (10 Hrs), OSHA Training Course

ENGINEERING EXPERIENCE

Mr. Rosario is a skilled civil engineer with expertise in all facets of engineering, transportation projects, and construction management. He has prepared plans for several projects including water control structures, drainage improvements, resurfacing and lighting retrofit projects. He is knowledgeable regarding the collaboration between all team members to achieve a project timeline and the financial goals. Mr. Rosario has extensive knowledge of computer-based design and project management software applications. He is versed in both AutoCAD and Microstation software. In construction projects he has been instrumental in ensuring the compliance of Company practices and OSHA regulations and has a good perspective of constructability issues.

RELEVANT EXPERIENCE

S-135 By-Pass Culvert Abandonment and Dike Repairs - South Florida Water Management District (SFWMD)
Project Engineer for design plans for the project. This project involved rehabilitation using chemical grout injection and Cured In Place Pipe (CIPP), of two 96" diameter culverts under the Herbert Hoover Dike at the S-135 Pump Station and required extensive coordination with the USACE.

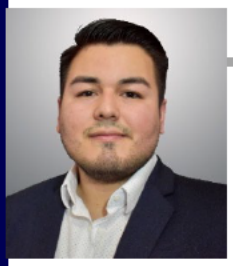
Port St. Lucie Boulevard from Becker Road to Paar Drive, St Lucie County, Florida – Florida Department of Transportation (FDOT), District 4/Florida Highway Administration (FHWA)
Project Engineer. The project includes reconstruction of Port St. Lucie Boulevard from 2-lanes rural section to 4-lanes urban curb and gutter section with shared use path on both sides of the roadway; replacing of the existing bridge over E-84 canal; installing a closed drainage system and new signalized intersection (mast arms) at SW Gig Place. Other improvements include signing and pavement marking, lighting and landscape.

Riverview Pump Station New Generator, Fire Suppressant and Main Switch Disconnect Post Design, Miami-Dade County, Florida – City of Miami
Project Engineer who provided assistance during Post Design Services. RJ Behar provided civil, structural, and electrical engineering services for the replacement of the Riverview Pump Station Emergency Generator and pumps interconnection in the City of Miami. The pump station is part of the city's stormwater system. Services included Engineer of Record Post Design Support and Construction Management Assistance. Services included project management, structural design of the new generator foundation and electrical design, cost estimates, and specifications

C23 to C44 Interconnect Canal, Palm Beach County, Florida – SFWMD
Project Engineer for plans preparation. The scope of this project consists of completing the structural design and structural plans for a new 250 cfs Pump Station on the south side of the C-23 Canal, a new Culvert/Bridge location crossing SR 714 SW Martin Highway and a new Control Structure (Spillway). The design will follow the SFWMD Engineering Design Guidelines for construction of water resource facilities (i.e., Details, Guidelines, AutoCAD Standards, and Technical Specifications) (latest edition, including updates).

Pedestrian Bridge over the Biscayne Canal, Miami-Dade County, Florida – City of North Miami
Project Engineer – The new pedestrian bridge will replace the existing pedestrian bridge in its entirety. All existing abandoned utilities currently mounted to the bridge will be removed and no allowance for future utilities will be accommodated on the new bridge. Design services include roadway plans including general construction plan and profile sheets, typical sections, detail sheets, traffic control plans, erosion control details and plans. Bridge design includes to investigate two alternatives considering span configuration, material type and foundation supports for the bridge main span crossing Biscayne Canal. Select main span bridge type, aesthetics, and layout. Determine abutments, retaining walls, and approach span layout for the preferred main span configuration. Prepare preliminary and final plans for the proposed bridge. The scope of work also includes utility coordination, permitting with SFWMD, USACE, and Building Department.

Oakhill Culvert Replacement, Broward County, Florida – Town of Davie
Project Engineer who assisted with the design and plans preparation, including quantities and cost estimates. The project consisted of the coordination, design, permitting, and bidding assistance for the replacement of a culvert bridge in the Oakhill neighborhood.



ESTEBAN ALDANA, EI
CIVIL DESIGNER
BRIDGES/MISCELLANEOUS STRUCTURES

EDUCATION:
B.S. Civil Engineering, Florida International University, August 2021

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
3 Years	2021 - Present	Pembroke Pines

PROFESSIONAL REGISTRATIONS
Engineer Intern No. 1100027568, 2024

PROFESSIONAL SOCIETIES
Member of the American Society of Civil Engineers (ASCE)

ENGINEERING EXPERIENCE
Mr. Aldana is a graduate of civil engineering, his relevant courses included mechanics of materials, steel design, geotechnical engineering, structural analysis, reinforce concrete, project planning, statics and physics. At RJ Behar he is working in design and plans preparation for miscellaneous civil engineering projects. He is knowledgeable in structural projects. His software experience includes AutoCAD, Mathcad, ArcGIS, MATLAB, and MicroSoft (Excel, PowerPoint, Word). Mr. Aldana is also fluent in Spanish.

RELEVANT EXPERIENCE
Matheson Hammock Park Bridge Rehabilitation CEI, Miami-Dade County, Florida – Miami-Dade County DTPW
Bridge inspector. Project scope is for the rehabilitation of the Matheson Hammock Park Road bridge over the Matheson Hammock Canal (Bridge No 874294). The existing bridge is a 100-foot three span, sonovoid slab bridge, approximately 35 feet wide. It includes concrete spalls repairs, delamination and cracks, installation of Carbon Fiber Reinforced Polymer wraps and structural jacket around a designated column and removal and replacement of existing post-tensioned wires/bars/strands.

New Doorway for Transformer Replacement at Fiveash WTP, Broward County, Florida – City of Fort Lauderdale
He performed design and structural inspections. The scope includes site visits, preparation of an alternative/evaluation report, preparation of plans, cost estimating, specifications, building department permitting, bidding assistance and post design services. As part of the project, RJ Behar evaluated four alternatives for materials, including preliminary costs, and provided recommendations.

Pump Station D-36 Structural Rehabilitation, Broward County, Florida – City of Fort Lauderdale
Designer: RJ Behar completed a full inspection of the station to prepare plans for rehabilitation of the structural elements. The main concerns were related to carrion of structural elements. The repairs included repair of spalled and corroded steel elements, replacing access gates, cleaning and coating of the station (inside and outside), and floor hardening.

Florida Mango over Palm Beach County L-2 Canal Utility Relocation, Palm Beach County, Florida – City of West Palm Beach
Inspector who performed a field visit to observe the main water connection flush. RJ Behar designed the replacement of the Florida Mango Bridge and was contracted by the City of West Palm Beach to design the utility relocations. The work consisted of designing the relocation of 120 ft. of 12-inch DIP water main, 110 ft. of 6-inch DIP forced main and appurtenances that are in conflict white the bridge replacement work. The scope included the design of the utility relocations (plans & profiles), cost estimating, permitting, coordination between projects, and post design services.

Cypress Wier Gold4A During Construction, Collier County, Florida – SFWMD
Designer who reviewed the rebar submittals of the control building during construction. He also performed field observations of the installation of the rebar to ensure conformance with the specifications. The new structure includes three new slide/weir gates, a three-cell box culvert to be used as a bridge, new stilling wells, a 10 ft x 10 ft control room, communications, and miscellaneous appurtenances. The bridge will be 24 ft wide.

SW 87th Avenue Bridge over Canal C-100, Miami-Dade County, Florida – Miami-Dade Public Works Department
Designer assisting with the conceptual design analysis consisting of three conceptual bridge alternatives, including preliminary alignment of the roadway and bridge, and assisting with construction cost estimates of the three alternatives.

Linton Boulevard Bascule Bridge, Palm Beach County, Florida – Palm Beach County Roadway Division
Designer who assisted with an inspection of the bridge to evaluate the actual conditions and as-built dimensions of the sidewalk brackets, assisting with the new load rating and special inspection. He is also assisting with the new bridge railing design. The proposed railing system and sidewalk brackets will weigh less than the existing to avoid strengthening of the existing main girders. To ensure that the proposed railing system and sidewalk brackets will weigh less than the existing, the VGAN 300 series aluminum traffic railing by Varley and Gulliver Ltd was proposed. Also, a sidewalk top surface of aluminum plate (½" thick) with a roughened (gritty) top surface plate, was proposed. New sidewalk brackets will be designed that fit the proposed railing. All three existing sidewalk stingers will be replaced.

EDUCATION:
M.S. Civil Engineering Moscow Transportation University (1980)
B.S. Civil Engineering Moscow Transportation University (1980)

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
44 Years	2024 – Present	Pembroke Pines

ENGINEERING EXPERIENCE

Mr. Santiesteban is a Senior Roadway Designer with a Master of Science in Civil Engineering and a background in the transportation industry. He has extensive experience in roadway design, rail design, drainage and dredging design, signal design, surveying and mapping, roadway-bridge inspection, and plans review. From 2002 to 2017, he worked in the Design Department with the Florida Department of Transportation (FDOT) Districts 4 and 6, where he became highly familiar with the FDOT project process, submittal phases, and Quality Assurance/Quality Control procedures. In addition to his design expertise, he serves as a CADD professor, specializing in AutoCAD 2D, AutoCAD Civil 3D, MicroStation, Geopak, and Corridor Modeling.

RELEVANT EXPERIENCE

Charles Avenue from Main Highway to South Douglas Road, Miami-Dade County, Florida – City of Miami
Senior Roadway Designer The project consists of engineering design services for the roadway improvements project Charles Avenue from Main Highway to South Douglas Road Roadway. The scope of services includes project management, investigation, roadway analysis and plans, signing and pavement marking, permitting, utility coordination, and civil engineering services necessary for roadway and drainage improvements.

OTHER RELEVANT EXPERIENCE

CR 361 over Spring Warrior Creek Bridge Replacement, Taylor County, Florida, Florida Department of Transportation (FDOT) District 2/Florida Bridge and Transportation, Inc.
Served as Senior Roadway Lead Designer, subcontracted to Florida Bridge and Transportation, Inc., for the replacement of CR 361 Bridges No.(s) 380037 and 380035, which span Spring Warrior Creek between Perry and Keaton Beach, approximately six miles south of US 19 in Taylor County. The project was conducted in two phases: Phase I was a PD&E Study, and Phase II was the Design phase. The study's goal was to evaluate and document widening and/or reconstruction alternatives for the bridges while minimizing impacts to the natural, social, cultural, and physical environments. The scope of the study included concept development, traffic counts and forecasts, surveying, geotechnical services, alternatives analysis, preparation of the Bridge Replacement Report, and environmental impact analysis with necessary approvals. Phase II Design Services involved both roadway and bridge design. During construction of the replacement bridge, traffic is being maintained on a temporary diversion using ACROW Bridge. **Company**: Metric Engineering, Inc.

CR 510 from CR 512 to 58th Avenue, Reconstruction Project, Indian River County, Florida – FDOT District 4
Senior Roadway Lead Designer for the project to four-lane CR 510, extending from 1,000 feet west of 82nd Street to 58th Avenue. The existing corridor will be reconstructed by raising the vertical profile of two bridges, necessitating the replacement of Bridge 880063 over Lateral C Canal, Bridge 880044 over Lateral L Canal, and the existing culvert over the South Prong Preserve Slough. The project features two distinct roadway typical sections: suburban and urban. Additionally, the design includes a roundabout at 66th Avenue and signalized intersections at 82nd Avenue, Powerline Rd, and 58th Avenue. CR 510 serves as a key arterial in northern Indian River County, linking I-95 to US 1 and A1A. **Company**: Metric Engineering, Inc.

Surface Streets of I-395/SR 836/I-95 Signature Bridge Reconstruction Design-Build Project. Miami- Dade County, Florida – FDOT District 6
Served as Senior Roadway Lead Designer for the $802 million Design-Build project, which included three concurrent projects aimed at minimizing public impact: the I-95 Concrete Replacement, I-395 Improvements, and SR 836 Improvements, all managed by the Archer Western-de Moya (AW-dMG) Joint Venture (JV). As a key design team member, contributed to the development of structures, ITS, signals, roadway, and drainage elements. Additionally, prepared critical documents such as the NEPA Reevaluation, Traffic Analysis, IMR, SIMR, and Work Zone Analysis. The roadway design involved resurfacing, partial reconstruction, guardrail design, and enhancements to sidewalks, lighting, signage, and pavement markings.
Company: Metric Engineering, Inc.

ERLIS ALEXIS FERNANDEZ PEREZ

CIVIL DESIGNER – ROADWAY DESIGN

EDUCATION

B.S. Civil Engineering, Florida International University, August 2022
A.A. Civil Engineering, Miami Dade College, 2019

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
2 Years	2022 – Present	Pembroke Pines

PROFESSIONAL SOCIETIES

- American Concrete Institute
- American Society of Civil Engineers Student Chapter

ENGINEERING EXPERIENCE

Mr. Fernandez is a graduate of civil engineering. At RJ Behar, he is working with the design of plans for the Transportation Department. Mr. Fernandez has two years of experience in the construction industry. His experience in construction estimating for projects of significant size and scope, using both manual and digital construction takeoff methods. He is familiar with transportation design programs, and the application of Florida Department of Transportation (FDOT) standards for the development of plans and traffic strategies. He has been involved in data collection for the improvement and maintenance of Intelligent Transportation Systems. Mr. Fernandez has experience with AutoCAD, MicroStation, Bluebeam, HeavyBid, MATLAB.

RELEVANT EXPERIENCE

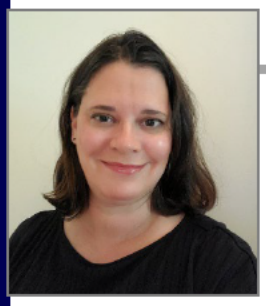
Port St. Lucie Boulevard from Becker Road to Paar Drive, St Lucie County, Florida – Florida Department of Transportation (FDOT), District 4/Florida Highway Administration (FHWA)
Project Engineer who assists with plans preparation for roadway, signing and pavement markings, signalization. The project includes reconstruction of Port St. Lucie Boulevard from 2-lanes rural section to 4-lanes urban curb and gutter section with shared use path on both sides of the roadway; replacing of the existing bridge over E-84 canal; installing a closed drainage system and new signalized intersection (mast arms) at SW Gig Place. Other improvements include signing and pavement marking, lighting and landscape.

Haverhill Road N of Caribbean Boulevard to Bee Line Highway, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works, Division of Roadway Production
Designer – The project consisted of the design for the reconstruction of Haverhill Road from the existing two-lane section to a minimum of two-lanes in each direction, and a bi-directional turning lane. The overall design effort includes horizontal and vertical alignments, roadway typical sections, new sidewalks on each side of the road, closed drainage conveyance systems, new stormwater management facilities, a drainage design report, pond siting report and permitting through multiple agencies, environmental, utility coordination, signing and pavement markings, miscellaneous structural design, signal installations and modifications, and optional post design services. RJ Behar services included roadway design, drainage design, permitting, signing and pavement markings, signal modifications, Temporary Traffic Control Plans (TTCP), and utility coordination.

SW 21st Street Complete Streets, SR 7 to SW 40th Avenue, Broward County, Florida – City of West Park
Designer – The project consists of plans for milling, resurfacing, and widening the existing pavement to accommodate two designated bicycle lanes (shared lanes). Scope of services includes roadway design, drainage design, signing and markings, traffic control plans, utility coordination, cost estimating, and permitting.

Service Point at Boynton Beach Boulevard and SR I-95, Palm Beach County, Florida – FDOT, District 4
Designer – Scope of work consists of preparing signal plans to add a service point (single phase 3- wire 120v/240v) and connecting to the existing traffic controller cabinet at the intersection of Boynton Beach Boulevard and SR I-95. Services include signalization analysis, signalization plans, utility coordination, and cost estimates.

Greater West Palm Beach/Lake Worth High School Traffic Impact Study, Palm Beach County, Florida – Palm Beach County School Board – Project Designer – This is a Traffic Impact Study (TIS) and the Traffic Operations Plan (TOP) Report during football games and gymnasium activities with regards to the proposed 03-000 High School. The purpose of the study was to develop and implement solutions for safe and efficient operations for vehicles and pedestrians. The TIS tasks included developing vehicular traffic generation and determining the increase in vehicular trips resulting from the proposed high school project; assessing existing and future roadway capacity, level-of-service and traffic operations at the project's driveways, study intersections, and roadway segments; developing roadway improvements and measures to mitigate identified deficiencies, as applicable. The TOP included developing and implementing a TOP during football games and gymnasium activities. The TOP will consider pregame and post-game activities covering vehicles and pedestrian flow; consider and develop feasible and effective measures such as, but not limited to, lane restrictions, modified traffic flow, parking spaces and the deployment of traffic signage, school personnel and uniformed police officers to direct vehicular and pedestrian flow.



ANDREA SORENSEN
ENGINEER TECHNICIAN
DRAINAGE/HYDROLOGY/PERMITS

EDUCATION
B.S. Civil Engineering, Florida Atlantic University, August 2019

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
4 Years	2021 - Present	Pembroke Pines

PROFESSIONAL SOCIETIES
- Member of the American Society of Civil Engineers (ASCE)
- Member of the Tau Beta Pi Engineering Honor Society

ENGINEERING EXPERIENCE
Ms. Sorensen is responsible for preparing plans for civil, environmental, structural steel design, waste and wastewater treatment system, hydrologic engineering, stormwater modeling and management, environmental engineering, transportation planning and logistics, and GIS mapping. At RJ Behar, she is working in design and the preparation of plans for miscellaneous civil engineering projects. She is knowledgeable in sewer rehabilitations and utility projects, including cured-in-place pipes services. She has experience with software applications such as AutoCAD, Microsoft Office Suite, HEC-HMS, Win Can–Sewer Inspection, ArcGIS, Cloud Compare, PTV Vissim, Leica Cyclone, Revit, and Adobe Creative Suite.

RELEVANT EXPERIENCE
NW 49th Avenue Drainage Improvement Project, Broward County, Florida – City of Lauderdale Lakes
Engineer Technician who is assisting with the design for this roadway restoration. Scope of services includes roadway design with all necessary components of roadway, parking, and swale restoration. The intent of this project is to alleviate and address the flooding issues. Services include bidding, award, and limited services during construction.

SW 87th Avenue Bridge over C-100 Canal, Miami-Dade County, Florida – Miami-Dade Department of Public Works
Project Designer for the design of the bridge and roadway design for the construction a new bridge over the SFWMD C-100 canal. The proposed bridge is located along SW 87th Avenue between SW 163rd Terrace and SW 164th Street and will carry both vehicular and pedestrian traffic.

Okeechobee Road Pedestrian Bridge Rehabilitation & Beatification Project/ARPA Funded Project, Miami-Dade County, Florida – City of Hialeah
Engineering Designer. This is a City and ARPA (American Rescue Plan Act) funded project for the design services of this Pedestrian Bridge rehabilitation and beatification projects. In addition, the services included an exterior visual survey to identify any building materials that may contain asbestos. The samples collected were sent to a laboratory for analysis and asbestos were not detected.

Pump Station Housing Structure S-2 – Roof Replacement, Broward County, Florida – South Broward Drainage District (SBDD)
Engineer Designer assisting with the production of plans for the replacement of the pump station's roof housing. Services include analysis and design services including field reviews, site visit, data collection, design and plans, pump station roof structural analysis report, and cost estimates.

Central Broward Water Control District (CBWCD) Engineer Services – Broward County, Florida
Engineer Designer assisting with permits reviews. The scope of services consists of reviewing plat submittals, paving and grading plans and as-built plans for development permits in the CBWCD. Responsibilities include ensuring that all site plans comply with CBWCD engineering criteria, review and evaluate requests for variances, and provide technical support to CBWCD Board during public hearings for variances request. Site visits are performed as necessary as well as coordination with CBWCD staff in order to ensure that site development requirements are met.

Dewey Hawkins Landing Boat Ramp, Broward County, Florida – City of Oakland Park
Engineer Designer who assisted with the design and plans preparation. The scope includes raising the seawall at the park/boat ramp area to meet the future Broward County elevation requirements, construction of two new docks with similar footprints, boat ramp improvements, and a new kayak launch.

NE 3rd Street Drainage Mitigation, Broward County, Florida – City of Hallandale Beach
Engineer Technician assisting with drainage design for the improvements of this commercial zone district experiencing flooding issues. Project scope includes field reviews, data collection, drainage analysis, plans preparation, estimates, specifications, utility coordination, and permitting. She was responsible for contacting all utility companies within the project boundaries, preparing the utility status matrix and following up to obtain utility information.

DAVID HERNANDEZ

ENGINEER TECHNICIAN – ROADWAY DESIGN, UTILITIES

EDUCATION

B.S. Civil Engineering, Florida Atlantic University, Boca Raton, Florida, May 2023

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
2 Year	2022 – Present	Pembroke Pines

ENGINEERING EXPERIENCE

At RJ Behar Mr. Hernandez is assisting with miscellaneous civil engineering projects, his relevant courses include transportation and highway engineering, geotechnical engineering, construction engineering, surveying, hydraulics, construction project management, and civil materials. He has experience working with electrical contractors, assisting with electrical wiring, and checking electrical paneling for buildings. He is knowledgeable of the Operating Systems: Windows, MacOS. His Software Experience includes Microsoft Office (Excel, PowerPoint, Word), AutoCAD, MS Project, Intro C++, Civil 3D. Mr. Hernandez is also fluent in written and oral communication of English and Spanish.

RELEVANT EXPERIENCE

Port St. Lucie Boulevard from Becker Road to Paar Drive, St Lucie County, Florida – Florida Department of Transportation (FDOT), District 4/Federal Highway Administration (FHWA)

Project Engineer who is assisting with plans preparation for roadway, signing and pavement markings, signalization. The project includes reconstruction of Port St. Lucie Boulevard from 2-lanes rural section to 4-lanes urban curb and gutter section with shared use path on both sides of the roadway; replacing of the existing bridge over E-84 canal; installing a closed drainage system and new signalized intersection (mast arms) at SW Gig Place. Other improvements include signing and pavement marking, lighting and landscape.

Pine Island Road from Griffin Road to Nova Drive, Broward County, Florida – Broward County

Engineer Technician. He provided traffic counts for three different intersections, turning to west and south bounds directions. Input the data collected from those intersections into excel and be able to decide whether a signal would call for. Added plan labels to the curves all down Pine Island Road to find them for their purpose, being either a right or left turns. The project consists of the design of widening Pine Island Road from Griffin Road to Nova Drive from four to six-lanes with bicycle lanes and sidewalks in each direction.

SR 710/Beeline Highway Widening from Northlake Boulevard to SR 708/Blue Heron Boulevard, Palm Beach County, Florida – FDOT, District 4

Engineer Technician. He reviewed all the cross sections for the ramps are shown in each of the cross-section sheets and to be in the proper locations. The scope of services includes roadway and drainage design for the Turnpike reconstruction segment, structural design of retaining walls at the Turnpike bridge approaches, as well as collecting Traffic Counts for the SR 710 at Northlake Boulevard intersection. RJ Behar developed the 8-lane vertical and horizontal geometry for final design and developed the preliminary 10-lane section to locate features such as permanent retaining walls.

Cresthaven Boulevard from Jog Road to Military Trail, Palm Beach County, Florida – Palm Beach County Engineering and Public Works

Engineering Technician – He is assisting with the roadway design plans. This is a roadway improvements project, consists of widening Cresthaven Boulevard to add 7" buffered bike lanes on both sides, add 2 pedestrians bridges over Canal E-3. It also includes roadway reconstruction from Jog Road to Sherwood Forest Boulevard, traffic signal modifications from Jog Road to Military Trail, and pavement marking upgrades.

Mast Arm Traffic Signals, Broward County, Florida – City of Oakland Park

Engineer Technician. He assisted with plan sheets for inputting survey into all nineteen sites for the signal plans, to as well as changing and updating all the line styles within the sheet. He assisted with the updates to the drainage plans design. Add in alignment and right of way lines. The project consists of the design services for Mast Arm signals at nineteen (19) intersection locations throughout the City. The project is funded via Broward County Surtax. It includes upgrades and conversion from span wire assemblies to mast arms signals. Services include project management, cost estimates, specifications, utility coordination, signalization plans, structural engineering, signing and pavement markings, traffic control plans, and drainage modifications.

NW 47th Avenue Kinlock Neighborhood Water and Sewer Plans, Miami-Dade County, Florida – City of Miami

Engineer Technician assisting with the roadway and drainage improvements.

NANETTE AKYAZ-GOMEZ, LEED AP ND

SENIOR DESIGNER – ROADWAY DESIGN

EDUCATION

A. A. Degree Broward Community College, Davie, Florida, 1992

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
29 Years	2001 – Present	Pembroke Pines

CERTIFICATIONS: 11412090-AP-ND, LEED AP Neighborhood Development, 2020

ENGINEERING EXPERIENCE

At RJ Behar, Ms. Akyaz is our teams' most experienced highway designer. She has experience in design and plans preparation for large highway engineering projects, using MicroStation and Geopak software. Her design skills include development of complex highway alignment, integrating drainage and utility information, digital plan submittals and participation in plan review and quality control efforts using District 4's ERC module.

RELEVANT EXPERIENCE

Pine Island Road from Griffin Road to Nova Drive, Town of Davie, Florida – Broward County Highway Construction and Engineering Division

Senior Designer: The proposed project improvements include reconstructing the existing roadway from four to six lanes, with a shared use path or bike lanes in each direction. Additional improvements include bridge widening, signalization, signing and pavement markings, lighting, bulkhead wall along the canal, and landscaping.

Port St. Lucie Boulevard from Becker Road to Paar Drive, St. Lucie County, Florida – Florida Department of Transportation (FDOT), District 4/Federal Highway Association (FHWA)

Senior Designer assisting with plan's preparation. The project includes reconstruction of Port St. Lucie Blvd. from 2-lanes rural section to 4-lanes urban curb and gutter section with shared use path on both sides of the roadway; replacing of the existing bridge over E-84 canal; installing a closed drainage system and new signalized intersection (mast arms) at SW Gig Place. Other improvements include signing and pavement marking, lighting and landscape.

Northlake Boulevard Bridge over the Loxahatchee Slough – Palm Beach County, Florida

Roadway Designer who was responsible for the geometrics, signing and pavement markings, weir placement and grading of the channel and walkway, quantity calculations and cost estimates. The project consisted of reconstruction of a four-lane divided highway, construction of a bridge, weir and walkway.

I-75/Griffin Road (SR-818) Interchange, Broward County, Florida – FDOT, District 4

Roadway Designer: The scope consisted of improvements including modifications to the interchange by realigning the I-75 ramps to converge at a new signalized intersection. Her responsibilities included geometrics, signing and pavement markings, signalization and long-range estimates.

US 1 and SR A1A ATMS Deployment, Broward & Palm Beach Counties, Florida – FDOT, District 4

Senior Designer: Scope of services for this project includes signing & pavement marking, signalization plans, and miscellaneous structures. RJ Behar's services include the signal timing at eight signalized intersections, structural design calculations for cantilever overhead sign.

I-95 at 6th Avenue Interchange Design, Palm Beach County, Florida – FDOT, District 4

Senior Designer: The project included widening of ramps and of 6th Avenue as part of the Interchange Improvements, milling and resurfacing, adding bike lines, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure.

NE 3rd Avenue at Progresso Drive Intersection Improvements, Broward County, Florida – Broward County Highway Construction and Engineering Division

Senior Designer – The scope includes design services for NE 3rd Avenue at Progresso Drive Intersection for the installation of a pedestrian crosswalk and gates on the south side of the railroad crossing and a sidewalk connection between the east/west corridor and lighting evaluation. Services include roadway design, signing and markings, lighting design, and utility coordination.

SR-710/Beeline Highway from Northlake Boulevard to SR-708/Blue Heron Boulevard, Palm Beach County, Florida – FDOT, District 4 – Senior Designer assisting with the preparation of plans for the roadway design to accommodate the 10-lane section widening of Florida Turnpike over SR 710.

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County

Designer. She is responsible for roadway design plans. The scope of the project included roadway design, Temporary Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, utility coordination, contamination assessment and wetland delineation/assessment.

EDUARDO CURIEL

SENIOR ENGINEER 2 – STRUCTURAL INSPECTIONS

EDUCATION

M.S. Water Resources, Stanford University, California/1967
B.S. Civil Engineering, Universidad Central de Venezuela/1965

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	LOCATION
45 Years	2014 – Present	Pembroke Pines

PROFESSIONAL REGISTRATIONS

- P.E. North Carolina License No. 043572
- P.E. Venezuela License No. 5276

ENGINEERING EXPERIENCE

Mr. Curiel serves as senior water resources engineer with RJ Behar. Mr. Curiel has broad local and international professional practice, in large water, wastewater and water resources projects for the South Florida Water Management District (SFWMD) and the Miami-Dade Water and Sewer Department in Florida; California; and, as International Consultant, in Barbados, Argentina, Chile, Bolivia and Venezuela.

RELEVANT EXPERIENCE

Cypress Weir 1 (Gold4A) Relocation Design, Collier County, Florida – South Florida Water Management District
Representative for the Engineer of Record inspecting the preconcrete pour and performing rebar inspections. The new structure will include three new slide/weir gates, a three-cell box culvert to be used as a bridge, new stilling wells, a 10 ft x 10 ft control room, communications, and miscellaneous appurtenances.

Paint Turnpike Bridges Over Rim Ditch Canal (C-24), St. Lucie County, Florida – Florida Turnpike Enterprise
Senior Engineer responsible for reinspection of the bridges to verify site conditions have not changed from previous inspections and documenting conditions with photos and notes. The scope of work included performing inspections of the two bridges, preparing bridge plans for repainting and repair of concrete spalls, preparing Traffic Control Plans, coordinating environmental evaluations and bat evaluations, coordination with utilities, preparing utility certifications, cost estimates and specification packages.

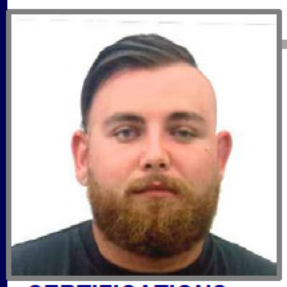
Paint Turnpike Bridges Over CR-709, St. Lucie County, Florida – Florida Turnpike Enterprise
Senior Engineer responsible for reinspection of the bridges to verify site conditions have not changed from previous inspections and documenting conditions with photos and notes. The scope of work included performing inspections of the two bridges, evaluating the exposed tendons for the CAP Beams on the piers, preparing bridge plans for repainting and repair of concrete spalls, preparing Traffic Control Plans, coordinating environmental evaluations and bat evaluations, coordination with utilities, coordination with St. Lucie County and the FEC railroad, preparing utility certifications, cost estimates and specification packages.

Pump Station D-36 Structural Rehabilitation, Broward County, Florida – City of Fort Lauderdale
Senior Engineer/Quality Control for the structural inspection and rehabilitation. RJ Behar completed a full inspection of the station in order to prepare plans for rehabilitation of the structural elements. The main concerns were related to carrion of structural elements. The repairs included repair of spalled and corroded steel elements, replacing access gates, cleaning and coating of the station (inside and outside), and floor hardening.

8.5 SMA Limited Curtain Wall Engineering During Construction (EDC), Miami-Dade County – South Florida Water Management District (SFWMD)
Senior Engineer Senior Representative who is providing Engineer of Record inspections as necessary. This project includes the design of approximately 5 miles of curtain wall. The project proposes a curtain wall made of a mix of cement and bentonite slurry, approximately 28-inches thick and between 55 to 60 ft. deep. The wall should penetrate 3 ft. into the Tamiami Formation.

S-135 By-Pass Culvert Abandonment and Dike Repairs – SFWMD
Quality Control Reviewer. He prepared the Design Development Report and Conceptual design plans for the project. This project involves rehabilitation using chemical grout injection and Cured In Place Pipe (CIPP), of two 96" diameter culverts under the Herbert Hoover Dike at the S-135 Pump Station and required extensive coordination with the USACE.

Lyons Park Neighborhood Improvement Project, Construction Management Services, Broward County, Florida – City of Pompano Beach – Senior Engineer/Inspector. This project includes the design for the relocation of the sewers to the street's right-of-way and new lateral services. The project also includes design of water line relocations in areas where there are conflicts with other improvements. As part of the project all the streets will be reconstructed, with new pavement markings, and completely new stormsewer system, sanitary sewer system, and regraded swales. The design included structural design of seawall repairs for new outfalls.



EDUCATION
A.A. Culinary, Art Institute of Tampa, Tampa, Florida

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
12 Years	2015 – Present / 2006 – 2010	Pembroke Pines

MEMBER: International Municipal Signal Association

CERTIFICATIONS
TIN #: F254533883350

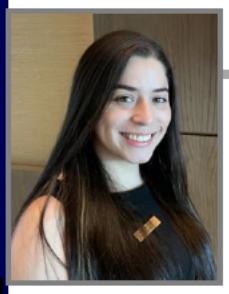
- Advanced Maintenance of Traffic
- Earthwork Level I & II
- Asphalt Paving Level I & II
- ACI Concrete Field Inspector I
- ACI Concrete Transportation Construction Inspector II
- ACI Concrete Field Testing Technician
- Final Estimates I & II
- FDOT Concrete Field Technician Level 1
- Pile Driving
- Auger Cast Pile Inspector
- Drilled Shaft
- QC Manager
- PTI Grouting Technician I
- PTI Post Tensioning Technician
- IMSA Traffic Signal Inspector
- IMSA Traffic Signal Technician Level I
- Stormwater Erosion Sedimentation Control Inspector
- Hazmat/Nuclear Radiation
- FDOT MSE Walls Certification
- FDOT Critical Structures
- FDOT Wage and Labor Training
- CSX Railroad Worker Protection
- FDOT MAC Training

ENGINEERING EXPERIENCE
Mr. Fasanella obtained his CTQP certifications, worked as an inspector aide shadowing senior inspectors, and is currently working as a Senior Inspector. He observes and inspects ongoing construction work, reviews plans and specifications to ensure that work complies, conducts laboratory sampling, maintains a daily activity of work in progress and status of completion and discusses construction related problems with his supervisor, records and reports observations including video and digital pictures, and performs other job responsibilities as assigned. He started his career in the traffic/transportation department of R.J. Behar & Company, Inc. He was responsible for performing numerous turning movement counts. He set up automatic traffic recorders (ATRs) for volume counts, speed studies, etc.

RELEVANT EXPERIENCE
Lyons Park Neighborhood Improvement Project, Construction Management Services, Broward County, Florida – City of Pompano Beach – Senior Inspector who provided full time construction inspection and material testing for on-site construction inspection services, approving submittal reviews, coordinating construction material testing services, performing public involvement measures, provided document control and provided record drawings. This project included the design for the relocation of the sewers to the street's right-of-way and new lateral services. The project also included design of water line relocations in areas where there are conflicts with other improvements. As part of the project all the streets were reconstructed with new pavement markings, and completely new stormsewer system, sanitary sewer system, and regraded swales. The design included structural design of seawall repairs for new outfalls.

Broward Boulevard from Pine Island Road to I-95, Broward County, Florida – Florida Department of Transportation (FDOT), District 4 – Inspector responsible for overseeing the paving, concrete, drainage, and signalization work operations on the project. The project scope consists of providing transit infrastructure elements to support initiatives for a new express bus service along Broward Blvd./SR-842 from the Broward West Regional Terminal in Plantation near Pine Island Rd. to I-95 in Fort Lauderdale. Six intersections along SR-842 will be improved: SR-817/University Dr., Fig Tree Lane, SW 54th Ave., East Acre Dr., NW 24th Ave., and SW 22nd Ave. Additional project activities will occur within the West Regional Terminal Park & Ride Lot including new sidewalk, ADA improvements, crosswalks, curb ramps, bus pad improvements, signing and pavement markings, minor drainage improvements, guardrail replacement, pedestrian detector signals, installation of a new GPS system in all existing controller cabinets at all signalized intersections, milling and resurfacing, and median modification to provide a bus-only left turn.

Little Country Estates & Grove Estates Drainage Improvement – CEI – Broward County, Florida – Town of Davie Senior Inspector. Services include responding to requests for information, attending pre-construction meetings, site visits, progress meetings, shop drawings reviews, full time inspection, and project closeout and certification. The purpose of this project is to provide construction engineering services for the installation of a storm water drainage system in the Little Country/Grove Estates area located between Hiatus Road to the East, the N-20 Canal to the West, SW 16th Street to the North, and the N- 26 Canal to the South as indicated on the plans and contract documents. All Work shall be performed in compliance with the latest edition of all applicable Codes, including, but not limited to, the Florida Building Code (2020 7th Edition), the Town of Davie Land Development Code, the Town of Davie Code of Ordinances, and the Broward County Code of Ordinances.



THALIA SANTANA

ADMINISTRATIVE ASSISTANT – GRANT ASSISTANCE

EDUCATION
A.A. Prelaw, Miami Dade College, Miami, Florida 2018

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
-1	2024 – Present	Pembroke Pines

CERTIFICATION:
- Resident Compliance Training, FDOT

TIN#: S53581496
- Final Estimates I

ENGINEERING EXPERIENCE

At RJ Behar, Ms. Santana provides administrative assistance to the Construction Engineering and Inspections (CEI) Department. She aids the senior project engineer, project administrator, and inspectors with all related documentation to keep up to date the CEI Department. She is a dedicated professional, well-organized with in-depth technical knowledge and keen attention to detail. She is proficient in Microsoft Office Suite Excel, Power Point, Outlook, and Word; E-Courtesy and Florida E-Filing Portal, Collections Master Software, FOSSE, QuickBooks, Monday, Toggl, Tripadvisor, Yelp, and Google Business. She is bilingual - English and Spanish.

RELEVANT EXPERIENCE

Grants Manager Assistance, Miami-Dade County, Florida – City of Miami
Assistant to the Grant Assistance: She aids the various grant projects, including the preparing various forms, reviewing documents and submittals required by Federal and State agencies to fulfill the City's requirements under the respective programs. She assists with monthly, annual, and special reports; assists with the coordination of the various phases of work; assists in establishing and monitoring performance measures to be utilized to strategically identify and achieve desired outcomes; researches and responds to special funding opportunities requiring adherence to strict guidelines; establishes a reporting process to monitor and maintain accountability to all funding sources, ensuring the City is following and complies with all requirements of its respective grants, assists in representing the City before the various funding sources, when called upon, to achieve compliance with the Federal requirements when it comes to bid packages, request for proposals (RFPs), executed contracts, and monthly or quarterly reporting; and performs other related.

Dillman Trail from Forest Hill Boulevard to Dillman Road Local Agency Program (LAP) Project, Palm Beach County, Florida – City of Greenacres/Florida Department of Transportation (FDOT), District 4
Administrative Assistant: Ms. Santana's responsibilities include assisting with the project documentation, maintaining and organizing contract documentation, preparing meeting minutes, processing shop drawings, organizing and filing all RFI's, and assisting with the closeout documentation. RJ Behar's scope of services includes providing the CEI services, on a full-time basis as requested by the City, contract administration, inspection, and managing the materials sampling and testing.

Hollywood Beach Heights Local Agency Program (LAP) Construction Engineering Inspection Project, Broward County, Florida – City of Hollywood/FDOT District 4
Compliance Specialist/Public Information Officer: She verifies the correct wage table and ensures the jobsite Bulletin Board is in compliance, attends progress meetings, prepares meeting agenda and meeting notes, attends all compliance audits, meetings and trainings as requested by the FDOT District Four Compliance Manager; Submit the Monthly LAP Compliance Checklist; conducts and reviews employee EEO labor interviews with Contractor's employees, ensures all DBE and EEO/AA subcontractors are paid timely; Maintains project documents and ensure files are up to date and current and are in accordance with the Federal requirements and final submittals, Verifies the goals of the anticipated DBE statements are met per the established Federal and State regulations, and performs all public information duties such as fliers, community awareness, and public meetings.

Beverly Park Sidewalk LAP Construction Engineering Inspection Project, Broward County, Florida – City of Hollywood/FDOT District 4 – Compliance Specialist/Public Information Officer: She verifies the correct wage table and ensures the jobsite Bulletin Board is in compliance, attends progress meetings, prepares meeting agenda and meeting notes, attends all compliance audits, meetings and trainings as requested by the FDOT District Four Compliance Manager; Submit the Monthly LAP Compliance Checklist; conducts and reviews employee EEO labor interviews with Contractor's employees, ensures all DBE and EEO/AA subcontractors are paid timely; Maintains project documents and ensure files are up to date and current and are in accordance with the Federal requirements and final submittals, Verifies the goals of the anticipated DBE statements are met per the established Federal and State regulations, and performs all public information duties such as fliers, community awareness, and public meetings.

DERETH BEHAR

CORPORATE SECRETARY – PUBLIC INVOLVEMENT

EDUCATION: A.A. Broward Community College

YEARS OF EXPERIENCE	YEARS WITH RJ BEHAR	OFFICE LOCATION
45 Years	1999 – Present	Pembroke Pines

PROFESSIONAL EXPERIENCE

Ms. Behar serves as Office Manager, Human Resource Director, Social Media Specialist, Public Involvement Assistant, and Marketing Director. She also serves as the Corporate Secretary for R. J. Behar & Company, Inc. and is responsible for maintaining and updating the corporate records of the Company. Ms. Behar has over 35 years of technical writing experience. Prior to and while working part-time for RJ Behar, she owned a medical transcription business for 18 years.

RELEVANT EXPERIENCE

Pine Island Road Improvements from Griffin Road to Nova Drive, Broward County, Florida – Broward County Highway Construction and Engineering

Public Information Officer who assisted with compiling data for the homeowner's associations within the project area, scheduling public meetings (virtual and in-person), assisting with flyers, responding to requests for information, and facilitating the public meeting.

Townwide Sidewalk Master Plan, Miami-Dade County, Florida – Town of Medley

Public Involvement Officer who distributed flyers to the community, scheduled the information meetings with the Town, and assisted with the meeting. The scope of this study includes developing a sidewalk master plan to serve as a long-term planning document that would improve pedestrian connectivity, address American with Disabilities Act (ADA) requirements, and identify sidewalk repairs, prioritize projects, while accommodating population growth, future land use, and enhancing multimodal regional connectivity.

Lyons Park Neighborhood Improvement Project, Broward County, Florida – City of Pompano Beach

Assistant Public Information Officer: An extensive public outreach effort was conducted including presentations, workshops, and one-on-one meetings. She obtained all the mailing addresses for the neighborhood, created flyers, acted as a liaison between the City and the firm on requests for information from the residents, prepared boards for presentations, etc.

Historic Miramar Drainage System Evaluation, Broward County, Florida – City of Miramar

Public Information Officer: She was responsible for scheduling the meeting, preparing boards for the presentation, and compiling all question and answer surveys from the residents. The scope included hydraulic evaluation, cost estimating physical evaluations, grant evaluations, and a public workshop to present the findings to the residents.

West Avenue/Bay Road, Miami-Dade County, Florida – City of Miami Beach

Public Information Officer: She prepared the boards, assisted with the setup of the audio-video equipment, assisted with resident's comments. The scope of this project included preparation of the Basis of Design Report (BODR) for stormwater management design for neighborhood improvement programs. The program included repaving and stripping, streetscape, drainage improvements and water and sewer improvements. RJ Behar was responsible for the public involvement workshops.

Water and Sewer Improvements UAZ 303, Broward County, Florida – Water and Wastewater Services Water and Wastewater Engineering Division (BCWWS - WWED)

Editor – The scope of this project consists of design and preparation of the construction documents for complete replacement of the water distribution system, upgrading the water transmission system and providing a new sanitary sewer system with pump station upgrades. It also includes permitting procedures with the agencies having jurisdiction. The project includes: 413 feet of 6", 1,994 feet of 8" and 3,509 feet of 12" water mains; 926 feet of 16" transmission line updating, and 3,431 feet of new sanitary sewers. RJ Behar coordinated conflicts with the location of existing utilities and proposed developments. The scope of the project also includes construction administration services

SR-A1A, Bridge over Boynton Inlet – Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4

Public Information officer for four community workshops for four city officials, one county official and the public. She prepared the notifications as well as the boards for presentation, prepared the power point slides to demonstrate the decorative lighting options, landscape concepts and the proposed bike lanes; prepared the questionnaires, brochures, and comment sheets; compiled all collected data; prepared meeting minutes and assisted with the final Community Awareness Plan III. The project proposed a major detour, which had to be presented to the public.

Angela L. Alba, PE

CHIEF GEOTECHNICAL ENGINEER

AREHNA | Engineering, Inc.

Contact Information

954.417.8412
aalba@arehna.com

5389 N Nob Hill Road
Sunrise, Florida 33351

Licenses

Professional Engineer
Florida Registration No. 58538, 2002

Experience

26 years total
10 years at AREHNA

Education

Master of Science, Civil Engineering (Geotechnical)
Massachusetts Institute of Technology, 1998

Bachelor of Science, Civil Engineering
University of Puerto Rico, 1995

Career Summary

Ms. Alba has provided geotechnical engineering services on numerous geotechnical explorations over the past 26 years, including serving as the Geotechnical Discipline Lead for the I-595 Corridor Improvement project in Broward County, Florida, which is the first Public-Private-Partnership (P3) project ever awarded by FDOT. Ms. Alba has been involved in the planning, analysis, execution, and review of geotechnical projects ranging from roadway and railways to complex roadway bridge and tunnel projects to commercial high-rise buildings, school projects, and other local municipality projects. Ms. Alba has performed evaluations for retaining walls, drainage structures, shallow foundations, driven piles, drilled shafts, augercast piles, micropiles, and pressure injected footings. Ms. Alba's experience has also included finite element analysis, slope stability evaluations, soil nail wall design, and evaluation of geosynthetics applications, and geotechnical ground improvement techniques.

Project Experience

South Ocean Drive Bridge Replacement, Ft. Lauderdale, Florida The project Consisted of replacement of the existing bridge along South Ocean Drive over the Marion River. The existing bridge is 80 feet, four spans, reinforced concrete double T-beam constructed in 1952 and rehabilitated in 1968 that requires frequent costly maintenance. Ms. Alba served as the Senior Geotechnical Engineer responsible geotechnical investigation, project oversight and testing, analysis and reporting, schedules, budget, plan reviews and recommendations.

Johnson Street Bridge Widening over C-10 Canal, Hollywood, Florida The proposed improvements consist of the bridge replacement over the C-10 canal including milling and resurfacing and drainage improvements. Ms. Alba provided geotechnical engineering services, project oversight, recommendations for site preparation, design and construction for the drainage and roadway milling and resurfacing improvements along the project.

I-95 at SR-838/ Sunrise Blvd. Interchange Improvements, District Four, Florida Ms. Alba is providing technical oversight for this interchange improvements project, which includes several bridge widenings and new retaining walls. In order to mitigate vibrations to the adjacent existing bridge foundations and railroad, 18-inch low capacity PSC piles were selected and including preformed pile holes to Minimum Tip Elevation and using 100% PDA testing.

SR-5/US-1 over Dania Cut Off Canal Bridge , District Four, Florida The purpose of our geotechnical study was to obtain information on the general subsurface conditions at the project site which consist of an existing four lane undivided urban road. The proposed improvements will consist of the replacement of the existing bridge fenders to reduce the flares from 16 to 8 feet. The proposed improvements also include the rehabilitation of the slope with installation of slope suitable for steep grades. A steel sheet pile wall is proposed for the southwest slope rehabilitation.

Andrews Avenue Bridge Replacement over C-13 Canal, Broward County, Florida The proposed improvements consist of the bridge replacement over the C-13 Canal including milling and resurfacing and drainage improvements. Ms. Alba oversees field and laboratory coordination, pavement coring program, recommendations for site preparation, foundation design and construction.

SR 811/Alt A1A over Loxahatchee River (Bridge 930339), Palm Beach County, Florida Ms. Alba served as Senior Geotechnical Engineer for this proposed bridge rehabilitation improvements that will include the replacement of the existing bridge fender piles. The fender piles located on the southeastern quadrant of the bridge will be replaced. Challenges included coordination for water borings and extensive permitting with USACE.

Jessica McRory, PE, LEED AP

SENIOR GEOTECHNICAL ENGINEER

AREHNA | Engineering, Inc.

Contact Information

813.944.3464
jmcrory@arehna.com
5012 W. Lemon Street
Tampa, Florida 33609

Licenses

Professional Engineer
Florida Registration No. 68440, 2008

LEED Accredited Professional

Experience

21 years total
16 years at AREHNA

Education

Master of Science, Civil Engineering,
Geotechnical Concentration
University of South Florida, 2004

Bachelor of Science, Civil Engineering
University of South Florida, 2003

Career Summary

Ms. McRory has managed the geotechnical aspects of testing, design and construction for over a thousand engineering projects over the last 21 years. Her involvement has included analysis and evaluation of soil conditions pertaining to new construction design, as well as ongoing construction projects. Project experience has ranged from task order contracts to large FDOT projects. Other responsibilities have included coordinating geotechnical field and laboratory testing, as well as construction materials testing services. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems. Ms. McRory has provided recommendations for shallow foundations, various ground improvement techniques and deep foundation systems including driven piles, drilled shafts and augercast piles.

Project Experience

NE 23rd Avenue over Ibis Waterway Bridge Replacement, District Four, Broward County, Florida Ms. McRory served as a Senior Geotechnical Engineer for this off-system bridge replacement project, which includes evaluating the impacts of temporary vibrations imparted by construction to the adjacent properties.

Brant Bridge Replacement, Off-System Bridge, District Four, Palm Beach County, Florida Ms. McRory served as a Senior Geotechnical Engineer for this project which consisted of bridge replacement, resurfacing, and the widening Brant Road to add bike and pedestrian paths. Reducing the impacts of temporary vibrations imparted by construction operations is a high priority for this project.

South Ocean Drive Bridge Replacement, Fort Lauderdale, Florida The project Consists of replacement of the existing bridge along South Ocean Drive over the Marion River. The existing bridge is 80 feet, four spans, reinforced concrete double T-beam constructed in 1952 and rehabilitated in 1968 that requires frequent costly maintenance. Ms. McRory provided geotechnical project oversight.

SR-25/ US-27 New Bridges at 27 Miles North of the I-75/ US-27 Interchange, District Four, Palm Beach, Florida Ms. McRory serves as Principal Engineer for the project, which consists of new twin-bridge structures (B-2 & B-3) along US-27 in order to provide connection to the new Reservoir Inflow-Outflow Canal and the existing North New River Canal.

SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bridge Replacement, Palm Beach County, Florida Ms. McRory served as the Geotechnical Contract Manager and provided geotechnical engineering support for this project which includes a bascule bridge replacement and new retaining walls. Evaluation included reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties, bridge foundation analyses and recommendations, and roadway improvements.

SR 836 Bridge 7 over NW 12th Street, MDX, Miami-Dade County, Florida Ms. McRory served as the Geotechnical Contract Manager for the Cost Savings Initiative (CSI) to redesign the SR 836 Westbound Flyover Ramp (Ramp D-3) over NW 12th Street from two span plate girder bridge to a single span steel box bridge along with redesign of the proposed MSE walls at the bridge approaches. This 271 ft single lane bridge is the longest curved simple-span dual steel box girder structure in the State of Florida. This bridge is part of the partial reconstruction of the interchange which includes replacement of all SR 836 bridges over NW 87th Ave and associated ramp improvements. Available PDA results performed at the interchange were reviewed in order to better predict the anticipated mobilized pile end bearing resistance.

I-95 at SR-838/ Sunrise Blvd., Interchange Improvements, District Four, Broward County, Florida Ms. McRory has provided Senior Geotechnical Engineering support for this interchange improvements project, which includes bridge several widenings and new retaining walls.

Andy Tao, PE

MAT SENIOR ENGINEER

AREHNA | Engineering, Inc.

Contact Information

954.417.8412
atao@arehna.com

12296 Wiles Road
Coral Springs, Florida 33076

Licenses

Professional Engineer
Florida Registration No. 88520, 2019

Experience

11 years total
7 years at AREHNA

Education

Master of Science, Civil Engineering
University of Florida, 2013

Bachelor of Science, Civil Engineering
University of Florida, 2012

Career Summary

Mr. Tao has provided engineering services on numerous geotechnical explorations over the past 11 years including roadways, commercial/residential high-rise buildings, residential developments, and industrial, military, medical, commercial, and educational facilities. Mr. Tao assists in report development and geotechnical analysis of deep and shallow foundations, as well as retaining walls and stormwater facilities. He performs soil classification in accordance with AASHTO and ASTM classification systems and evaluates subsurface materials with respect to the project characteristics. Additionally, he coordinates laboratory testing on selected soil samples and performs quality control on laboratory results. Mr. Tao has been responsible for site reconnaissance and evaluation of site conditions prior to subsurface explorations and has done geotechnical drilling oversight in both private and public sector projects.

Project Experience

Johnson Street Bridge Widening over C-10 Canal, City of Hollywood, Broward County, Florida The proposed improvements consist of the bridge replacement over the C-10 canal including milling and resurfacing and drainage improvements. Mr. Tao responsibilities include field and laboratory coordination, site recommendations for design and construction for the drainage and roadway milling and resurfacing improvements along the project site.

NE 23rd Ave over Ibis Waterway Bridge Replacement, District Four, Broward County, Florida Mr. Tao served as the as Project Geotechnical Engineer for this off-system bridge replacement project, which includes evaluating the impacts of temporary vibrations imparted by construction to the adjacent properties.

Dania Cutoff Canal, District Four, Florida Mr. Tao served as the Project Engineer providing geotechnical engineering services for this project which consists of the bridge fender replacement and slope stabilization for the SR 5/US-1 over Dania Cut Off Canal bridge (Bridge 860001) in Broward County, Florida.

Brant Drive Bridge replacement from Oregon Lane to Avocet Road, District Four, Palm Beach, Florida This project consists of bridge replacement and roadway widening project which consist of adding bike lanes on both sides of the bridge and roadway. The key issue on this project is mitigation of vibrations during bridge foundation construction and adjacent residential properties. Mr. Tao served as Project Geotechnical Engineer.

Four (4) Off-system Bridge Replacements, District Four, Palm Beach, Florida AREHNA provided geotechnical engineering for this project that consists of improvements to four (4) off-systems bridges throughout Palm Beach County. Our field exploration consisted of a program of Standard Penetration test (SPT) borings and pavement cores to provide information for bridge foundation and pavement design. Mr. Tao served as Project Geotechnical Engineer.

SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bascule Bridge Replacement, District Four, Palm Beach County, Florida Mr. Tao served as the Project Geotechnical Engineer for this widening project, which includes a bascule bridge replacement, new retaining walls, overhead sign structures, and mast arm structures. Evaluation included reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties.

South Ocean Drive Bridge Replacement, Fort Lauderdale, Florida Mr. Tao served as the Geotechnical Engineer for this project, which consists of replacement of the existing bridge along South Ocean Drive over the Marion River. The existing bridge is 80 feet, four spans, reinforced concrete double T-beam constructed in 1952 and rehabilitated in 1968 that requires frequent costly maintenance.

Robert D. Keener, P.S.M.

Vice President
Survey / Geomatics

Mr. Keener has 47 years of experience in the survey, engineering and utility construction fields.

Areas of Expertise

- Land Surveying
- Boundary / Topo
- Control Surveys
- Utility Surveys
- 3D Radar Tomography
- GPS
- Platting
- Route Surveys
- Legal Descriptions
- Plat Reviews
- Laser Scanning
- Crew Supervision
- Technical Reviews
- Scheduling & Productivity

Education

- Associates of Art, Atlantic Community College
- CEU's – On going

Licensure

- Professional Surveyor & Mapper, Florida #LS4846

Affiliations

Florida Surveying and Mapping Society (FSMS

Employment with CAS: 29 yrs
Employment with other firms: 18 yrs

Mr. Keener has been employed with CAS since April of 1995. Mr. Keener began his career at CAS as a Project Surveyor, advancing to Senior Surveyor and Mapper In charge of surveying in a satellite office and advanced to Vice President in 2005. Mr. Keener serves as Principal Surveyor for all surveys for SFWMD projects and will coordinate all survey activities with various disciplines as needed. All surveying pertaining to utility related services such as Radar Tomography, utility surface mapping, utility excavations, etc. will also be overseen and certified by Mr. Keener. He has previously performed numerous route/right-of-way surveys, topographic mapping and creation of ortho-rectified and georeferenced imagery along with digital terrain models (DTMs), aerial surveying, plat reviews, as-built surveys and certifications for government clients.

Mr. Keener holds a Florida Surveyors and Mappers License and is a member of the Florida Surveying and Mapping Society of Florida.

Selected Relative Experience:

City of Deerfield Beach CRA: Island Mobility Improvements – Deerfield Beach, Florida. Mr. Keener serves as Principal Surveyor in provided surveying services for the relocation of a city bus stop along east Hillsboro Boulevard, NE 20th Terrace, NE 1st Street and North Ocean Avenue as part of the Community Revitalization Agency's (CRA) Island Mobility Improvements project. The scope of work included a map of specific purpose survey which entailed establishing horizontal and vertical control; indication of base flood zones and elevations; monumentation set at all major corners of boundary properties and/or set control points with rights-of-way, and identification of all parcels and easements as shown on recorded plats in addition to right-of-way lines. A vicinity map showing property surveyed in reference to nearby highways or major street intersections was provided along with a survey base map as part of the deliverable.

City of Deerfield Beach: Pioneer Grove Roadway Improvements – Deerfield Beach, Florida. Mr. Keener served as Principal Surveyor for this project which consisted of providing utility location and verification services along SE 2nd Avenue from SE 10th Street to NE 1st Street and SE 4th Street from SE 2nd Avenue to the FEC Railroad right-of-way for approximately 6,500 linear feet. Subsurface utility engineering included ground penetrating radar (GPR) in addition to electromagnetic induction (EM) to perform/verify horizontal locations of existing buried utility lines. Sixty-five (65) utility test holes (soft digs) were performed, and reports provided for each with utility depth, elevation, size, material and type. Survey physically located all above ground, visible utilities and were shown together with soft dig locations and utilities as marked on the surface by the Craig A. Smith & Associates Locating Department. All information was shown relative to the Florida State Plane Coordinate Grid System, East Zone, North American Datum of 1983 (NAD '83) with the 2011 adjustment, horizontally and the North American Vertical Datum of 1988 (NAVD '88) vertically. A base map was created in current software parameters and provided to the Client as well as a Certified Map of Specific Purpose Survey adhering to the Standards of Practice for surveying in the State of Florida, (Chapter 5J–17) of the Florida administrative code, for engineering design purposes.

James F. Driscoll
Vice President of
Subsurface Utility Engineering

Mr. Driscoll has over 30 years of experience in the engineering, survey and utility location fields.

Mr. Driscoll has performed over 6,000 G.P.R. surveys and over 12,000 miles of utility surface designating throughout the United States. Additionally, Mr. Driscoll has performed in excess of five million square feet of 3D Radar Tomography scanning projects at various locations throughout the United States. He is proficient with state-of-the-art, traditional, and GPS surveying equipment and is substantially proficient with EM designating equipment, vacuum excavation equipment and various GPR systems with special emphasis on 3D Radar Tomography systems. He also provides assistance in the performance of electronic designating, layout, and completion of vital soft dig information for vacuum excavation projects. And serves as Division Vice President, Training Manager and QC Auditor.

Selected Relative Experience:

FDOT 4, Flagler Memorial Bridge Replacement Project – West Palm Beach, Florida. The Flagler Memorial Bridge Replacement consisted of the reconstruction of Flagler Drive (from 4th Street North to 7th Street), the removal and replacement of the existing moveable span bridge, and related stormwater, paving markings and signage, and traffic signalization improvements. Mr. Driscoll served as SUE coordinator overseeing the performance of complete 3D Radar Tomography enhanced SUE services over 500,000 square feet of roadway bridge surface area. CAS prepared existing utility systems mapped with a complete subsurface model to assist in design engineering of proposed improvements.

City of West Palm Beach, General Subsurface Utility Engineering – West Palm Beach, Florida. Mr. Driscoll serves as the SUE field manager and coordinator overseeing One Call Locates and Ticket Management for the City. CAS is currently contracted to perform complete subsurface utility services of the City's existing water, sanitary sewer, and drainage infrastructure. Currently, Mr. Driscoll oversees ticket management of approximately 20,000 locate tickets annually.

Town of Jupiter, Utility Location and Ticket Management Services - Jupiter Florida. Mr. Driscoll served as SUE coordinator overseeing One Call Locates and Ticket Management for city-owned utilities Palm Beach County. The system includes water, sewer, reclaimed water, raw water, minor power and networked communications. Currently, Mr. Driscoll oversees ticket management of 7,200 locate tickets annually for the Town of Jupiter.

Areas of Expertise

- 3D Radar Tomography
- Subsurface Utility Engineering
- Utility Locating
- Ground Penetrating Radar
- Utility Coordination
- Project Logistics
- Complex Field Survey
- Quality Assurance

Education

- Broward Community College
- US Army
- Route Surveying
- Survey & Engineering
- MOT Training
- OSHA Training
- OQ Training

Certifications

- Certified Utility Locator
- Certified GPR Technician
- OQ Training Certification

Affiliations

- National Utility Locating Contractors Association (NULCA)

Employment with CAS: 30 yrs
Employment with other firms: 4 yrs

JEFFREY O'CONNOR, P.E., S.E., LEED A.P.

MANAGER ENGINEERING SERVICES

Registration/Certifications
State of Florida Professional Engineer #50914
Other Registrations: GA, SC, LA, NE, IA, VA, AR, AZ, DE
Structural Engineer: IL

Education
B.S., Civil Engineering, Iowa State University, 1985

Years with this firm: 11

Years with other firms: 27

PROFESSIONAL PROFILE

Mr. Jeffrey O'Connor, P.E. is a Vice President and Manager of Engineering Services. His background includes design, inspection, underwater inspection and management of highway and railway bridges, culverts, retaining walls, water control facilities, overhead sign structures and waterfront facilities. He is an experienced engineer-diver, a certified commercial diver and has performed and/or managed the underwater inspection of bridges, culverts, weirs, spillways, boat locks, offshore navigation structures, seawalls, bulkheads, docks and piers. His topside and underwater inspection work has included the use of ultrasonic measuring and flaw detection equipment, dye penetrant, magnetic particle and increment borer apparatus.

PROJECT EXPERIENCE

National Highway Institute Instructor. Mr. O'Connor is a certified instructor for the National Highway Institute and recently taught the Underwater Bridge Inspection Course (#130091) and the Bridge Inspection Refresher Course (#130053).

South Florida Water Management District, Structure Inspection Program – Underwater Component, 2022 - 2027
Project Manager and Lead Engineer. Performing underwater inspections of pump stations, spillways, gated culverts, weirs and boat locks. The observations, recommendations for repair and causes are input into the District's SIP database to develop reports. All inspections are video recorded, which is also a deliverable. There are typically 20 to 40 structures inspected each year. This project runs through September 2025 with two additional optional years.

South Florida Water Management District, Structure Inspection Program – Underwater Component, 2017 - 2022
Project Manager and Lead Engineer. Performed underwater inspections of water control structures for the District. The structures include pump stations, spillways, gated culverts, weirs and boat locks. The observations, recommendations for repair and causes were input into the District's SIP database to develop reports. All inspections were video recorded, which are also deliverables. There were 20 to 38 structures inspected each year.

Santee Cooper Spillway and Powerhouse Inspection, Santee, FL. 2021.
As a subconsultant to Gannett Fleming. Project Manager, Team Leader. The project was for the underwater inspection of upstream and downstream sides of a 3200-foot-long spillway comprised of 62 tainter gates and the downstream inspection of powerhouse draft tubes and tailrace apron. Mr. O'Connor managed the project and developed the inspection report.

St Johns River Water Management District, Structure Inspections – 2020
Project Manager and Lead Engineer. Underwater inspection of 32 culverts. The scope of work was to provide underwater inspection services extending from 3' above water to the channel bottom and up to 10' beyond the structure. Noted deficiencies were provided in a spreadsheet checklist provided by SJRWMD. A report was developed by UESI that included deficiency notes, condition ratings, potential causes, recommendations for repair, and photographs. The contract included culverts, pump stations and a boat lock. Videos of the inspections were recorded and provided as a deliverable. The work was performed by a four-person dive team led by Jeffrey O'Connor, P.E. and utilized surface-supplied air. Several structures required repair, which were also performed by a second UESI dive team.

MATTHEW HEROLD

DIVE SUPERVISOR/TEAM LEADER

PROFESSIONAL PROFILE

Mr. Herold has more than 28 years of experience in commercial diving and structure inspection including numerous inspections and restoration projects on power plant intakes, dams and water control structures, bridges, and bulkheads. Installation and repairs to several pipelines, submarine cables & cathodic protection systems. Installation of fabric form, and filter point concrete pump mats, articulated concrete block mats, and turf reinforcement mats in erosion control projects.

PROJECT EXPERIENCE

SFWMD, Structure Inspection Program – Underwater Component, 2017 – 2022: Underwater inspections of water control structures for the District. The structures include pump stations, spillways, gated culverts, weirs and boat locks. The observations, recommendations for repair and causes are input into the District's database to develop reports. All inspections are video recorded, which is also a deliverable. Mr. Herold was dive supervisor for approximately seven of the inspections, including the deep pump station G-539.

Registration/Certifications

ADC Surface-Supplied Air Diving Supervisor
Dive Lab/Kirby Morgan Certified Helmet Technician
OQSG Underwater Pipeline Repair Activities
Procore Safety Qualified: Confined Spaces
FSO/Cylinder Hazmat Handler
OSHA 30-Hour
Boating Safety
Hazwoper
Rigging

Education

Divers Academy of the Eastern Seaboard
University of Connecticut

Years with this firm: 16

Years with other firms: 12

St Lucie County BOCC Culvert Inspections, 2013-2020: Inspection of culverts located in the county on a task order basis. Culvert materials include concrete and corrugated metal. Deliverables include raw color video of the inspection and reports developed by UESI. Mr. Herold was dive supervisor for approximately half of the inspections.

FDOT Various Bridge Cathodic Protection CEI: Inspection of cathodic protection pile jackets and electrical connectivity in pile caps. Teams performed inspection prior to installation of the jacket to observe surface preparation, rebar installation and cathodic protection anodes and wiring. A final inspection was also performed on completed pile jackets to ensure the jackets were undamaged, and the bottom seal did not blow out. Occasionally, a pre-job inspection was performed to verify jacket locations and lengths. Locations included US17 Bridge Over Trout River; I-95 Over Cedar Creek; SR111 Over Moncrief Creek; SR115 Over Ribault River; and SR312 Over Matanzas River in Jacksonville and St Augustine. Mr. Herold was dive supervisor for approximately three of the inspections.

Peace River Reservoir Works Inspections: UESI performed diving inspections of the Reservoir No. 2 Influent Works and the Reservoir No. 2 Effluent Works. Reservoir No. 2 Effluent Works was comprised of the Outlet Tower, one 54-inch discharge pipe, one 36-inch discharge pipe, one 66-inch discharge pipe and a baffle chute. An underwater inspection was performed on each of the facilities. The Outlet Tower had two vertical sluice gates, one variable crest gate and trash racks. The piping was inspected with a five-person dive team for the 300-ft-long penetration inspections. UESI performed the inspections in 2014 and 2019. Mr. Herold was dive supervisor for most of the inspections in 2014.

Naval Air Station Jacksonville Marina Inspection: Underwater inspection of floating docks, guide piles, boat ramp, timber bridge, and the mooring field anchors at the MWR Marina at Naval Air Station Jacksonville. The purpose was to assess damage caused by a recent hurricane in the area. UESI performed all of the underwater inspection work from a vessel using surface-supplied air. A report of the underwater inspection was prepared that included the findings, photographs, and recommended corrective action. Mr. Herold was dive supervisor for the inspections in 2014.

Underwater Construction Corp., 2001-2007: Dive Supervisor. Responsible for numerous hydro-electric, fossil and nuclear power plant Intake / Discharge System maintenance, inspection and repair projects with the Tennessee Valley Authority.

Resolve Marine Group, 2000-2008: Lead Diver/Diver Supervisor/ Salvor. Responsible for salvage, heavy rigging, pipeline installation, large scale underwater burning and fuel removal from sunken vessels. Specific projects include fuel lightering and wreck removal of the 150' freighter Mary Star of the Seas, Historic wreck removal during harbor clearing in San Juan Puerto Rico, Trailer Bridge triple decker barge refloat, Oil/ Fuel removal and Salvage of the BORCO oil transfer platform in Freeport Bahamas, Raising of the 150' sail vessel Zues with delivery to dry dock. Salvage of Dry Dock – Port of Tampa.

Qualifications of the Project Team

R.J. Behar & Company, Inc. (RJ Behar) has assembled an experienced team of individuals with redundancies and depth in key staffing positions. **RJ Behar** will assemble a project team whose experience specifically matches the services requested in the scope of work, adhere to our in-house Quality Assurance Program, establish a project schedule which will be monitored by our project manager, and maintain effective coordination with our internal staff as well as with the City. We provide a holistic approach towards planning and design, where we will involve members of the different disciplines involved in the project and conduct "Brainstorming Sessions" for the purpose of obtaining an optimum solution to the project. These sessions are intended to identify fatal flaws, value analysis, and to maintain compatibility amongst the different disciplines involved in the project. This holistic approach has been successful for all our projects.

Robert J. Behar, PE – Principal in Charge/Quality Control & Quality Assurance: Mr. Behar provides vast experience in the planning, design, and management of transportation projects nationwide. He has a master's degree in Structural Engineering. He is RJ Behar's President and oversees the firm's full operation. Mr. Behar has over 47 years of experience. His project experience includes designing over 300 roadway projects incorporating "Complete Streets" attributes. Mr. Behar is currently a member of the Subcommittee for the development of the Complete Streets Chapter in the Florida Greenbook and is a voting member. His projects include preparing project budgets, schedules, developing specifications for labor and/or materials, plan alterations and/or modifications of existing transportation structures to improve safety or function, investigating traffic problems and supplying recommendations to improve traffic flow or safety and developing plans for surface transportation projects according to established engineering standards and state and federal construction policy. He also checks construction plans, design calculations, or cost estimations to ensure completeness, accuracy, or conformity to engineering standards or practices.

Jerry Piccolo, PE – Senior Structural Engineer/Bridge Engineer: He has over 48 years of structural engineering experience. He is an expert in the design, construction, and maintenance of all types of bridges, miscellaneous highway structures, retaining walls, water control structures, small buildings, and marine structures. He was responsible for the inspection and maintenance of 800 bridges in FDOT District 4 during the 1980's. He was responsible for the approval of all shop drawings for the Skyway Bridge in Tampa, which is Florida's most complex bridge. Mr. Piccolo has been the Engineer of Record on over 50 FDOT roadway and bridge design projects and numerous Palm Beach County bridge design projects. He was the first FDOT Bridge Engineer to design a bridge to withstand a ship impact (Choctawhatchee Bay Bridge) and the first to design a curved steel box girder superstructure (Thomasville Road Flyover). He is well-versed in what it takes to coordinate an effort such as the request under this contract.

Jossmel Cruz Garcia, MS, PE – Bridge/Miscellaneous Structures: He is an experienced structural engineer. He performs project management duties, as well as Engineer-of-Record duties while mentoring and training staff. He works directly with clients in pursuing upcoming projects. His experience has included the design of water control structures; miscellaneous structures; signal mast arm foundations; seawall design and rehabilitation; and development of structural applications of metallic, non-metallic, and composite materials, retaining walls, and special spread footer foundations. Additionally, he has recent design-build experience in direct construction support for field change requests, contractor requests for information (RFI), and utility conflict resolution.

Gerard Nazaire, Jr., MS, PE, – Bridge/Miscellaneous Structures: He is a senior civil and structural engineer with over 23 years of structural and bridge design experience. His experience includes the design of new bridges, bridge repairs and/or replacement for bridges over land, canals, ocean, and railroad bridges. Mr. Nazaire's structural design incorporates MSE walls, and structural analysis of telecommunication towers. He has performed 3-D modeling of steel frame structures facilitating repairs of damaged piers over the ocean; also, for cable-stayed pedestrian bridges using LARSA software to obtain stresses in the cables and reactions at the supports. He is currently providing structural analysis and design of the control building for the construction of a new, and remotely operated, water control structure in the alignment of the I-75 Canal. His software expertise includes LEAP Bridge Concrete, FB Pier, STAAD, MathCAD, Shoring Suite, CWALSH, Open Bridge Modeler, Geopak, Microstation, Auto Cad, and Microsoft Office.

Paola Riveros, PE – Vice President/Senior Highway Designer: She has 24 years of highway design experience and has managed several FDOT, District 4 roadway design projects, not only in the capacity of Project Manager but also as Lead Highway Designer. Her experience includes roadway design as well as drainage design of stormwater management projects. She is responsible for geometric design of major interstate interchanges, freeway design, and major arterials. Ms. Riveros

incorporates field reviews, reviews of the approved preliminary engineering report, typical section packages, traffic technical memorandum and proposed geometric design alignment to identify proposed improvements, sign placements and roadway pavement markings and performs queue analysis for all turning lanes. She performs traffic data analyses including signal operation plans, intersection geometry, local signal timings, pre-emption phasing and timings, forecasting traffic and intersection analysis runs for all signalization projects. She performs proper coordination for the timing plans including splits, force offs, offsets, and preparation of Time Space Diagram. She is well-versed in the use of AdICPR, ASAD and HEC-RAS for stormwater and hydraulic design and Geopak software for roadway design and electronic delivery of FDOT plans. Her responsibilities have included the preparation of drawings in MicroStation Open Roads, AutoCAD, and Civil 3D.

Hans Murzi, PE, CFM – Drainage Engineer: Mr. Murzi has 22 years of civil engineering experience. He is a water resources engineer with expertise in hydrologic/hydraulic analysis and modeling of rivers and flood control systems, natural resources restoration projects and watershed management. Mr. Murzi is a Certified Floodplain Manager and has been project manager on several municipal projects in Broward County. He is experienced in the use of several computer programs such as XPSWMM, HEC-RAS, AdICPR, MIKE SHE/MIKE 11, ASAD, ArcGIS. Mr. Murzi is also a member of the ACEC-FL Water Resources Committee. He serves as one of two District Drainage Engineers for the ***Central Broward Water Control District***. He recently was the Deputy Project Manager for the Town of Davie Oakhill Culvert Replacement and the Drainage study for Area West of Hiatus Road. The project included replacing the sewer system and waterline relocations. He has prepared numerous permit packages for environmental resource permits and the U.S. Army Corps of Engineers Section 404 and 408 permits.

Elmer Cardenas, PE, CEI – Certified Environmental Inspector/Minor Highway Design: Mr. Cardenas has 38 years of civil and environmental engineering experience. He has extensive experience in environmental engineering and utility projects and has designed and supervised construction of water distribution systems and drinking wells. He has experience with the use of Environmental models: SWMM (stormwater management model), and HSSM (hydrocarbon spill screening model) and hydraulic models AdICPR, ASAD and HEC-RAS. Mr. Cardenas is a Certified Environmental Inspector and has prepared numerous environmental site assessments. His experience includes preparation of Contamination Assessment Reports (CSER), preparation of Groundwater Monitoring Plans, solid waste facilities permitting, inspected asbestos abatement operations, and monitoring daily operations for contaminated soils remediation.

Nestor Santana, PE – Cost Estimator/Construction Manager: He has 30 years of experience in civil construction management for new construction and remedial projects of water/wastewater modernization programs of existing structures for the educational, pharmaceutical, sports and recreation, commercial sectors, and roadway. Mr. Santana brings specific relevant experience in civil work projects related to construction of roadways, structures (concrete and steel), pumping stations, spillways, culverts, bridges, as well as site preparation to find technical solutions under difficult soil, foundation, and climatic conditions. He possess the FDOT Advanced Temporary Traffic Control Plans as well as FDOT Construction Training & Qualification Program (CTQP) certifications.

Stacy Sookdew-Sing – Grant Assistance, Public Involvement: She has 21 years of experience as a project administrator, contract support specialist, senior resident compliance specialist, as well as a public information officer and inspector on a variety of projects throughout Miami-Dade, Broward, and Palm Beach Counties for the FDOT and local agencies. She received the "Professional Manager of the Year" award for stormwater projects from the American Public Works Association (South Florida Chapter) in recognition of her professionalism and performance in the management of the Manta Drive Roadway Improvements project for the Town of Cutler Bay. She has experience with site-management entries, monthly and final estimates, preparing and processing weekly reports, progress reports, and standard weather letters, as well as reviewing quantities and as-builts. Ms. Sookdew-Sing has prepared close-out packages, attended and managed meeting minutes, performed document control, data entries and monthly invoices utilizing the appropriate electronic data management system for each task.

TAB 4 – Licenses and Certifications

Robert J. Behar, PE – Lic. No. PE21755 – Exp. 2/28/2027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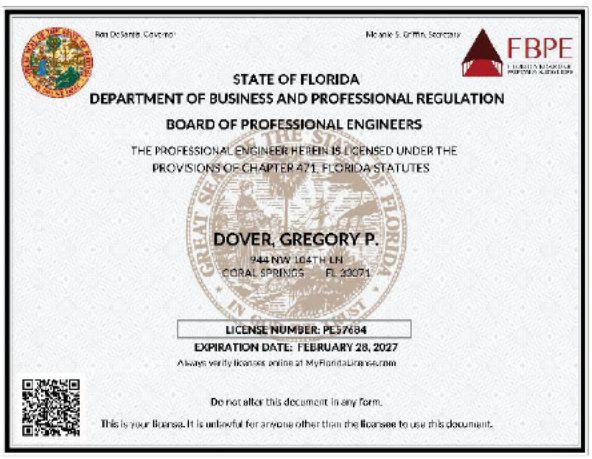
Gregory Dover, PE – Lic. No. PE57684 – Exp. 2/28/2027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Jossmel Cruz-García, PE – Lic. No. PE97192 – Exp. 2/28/2027


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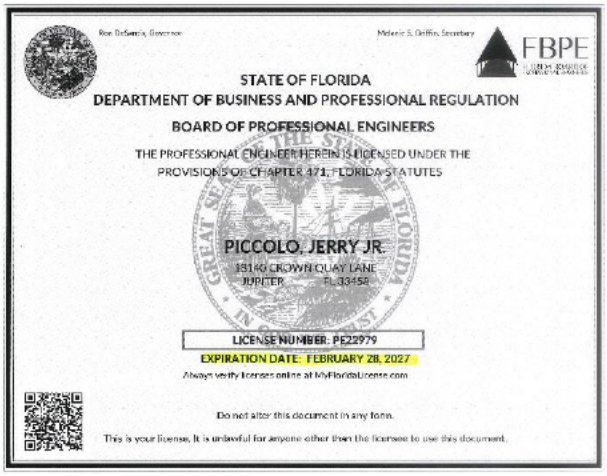
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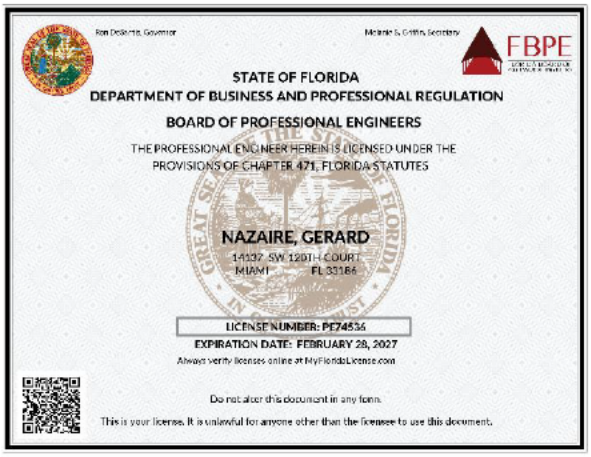
Gerard Nazaire, PE – Lic. No. PE74536 – Exp. 2/28/2027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Jeffery O'Conner, PE – Lic. No. PE74249 – Exp. 2/28/2027


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Angela Alba, PE – Lic. No. PE58538 – Exp. 2/28/2027


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Andy Tao, PE – Lic. No. PE88520 – Exp. 2/28/2027


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Jessica McRory, PE – Lic. No. PE68440 – Exp. 2/28/2027


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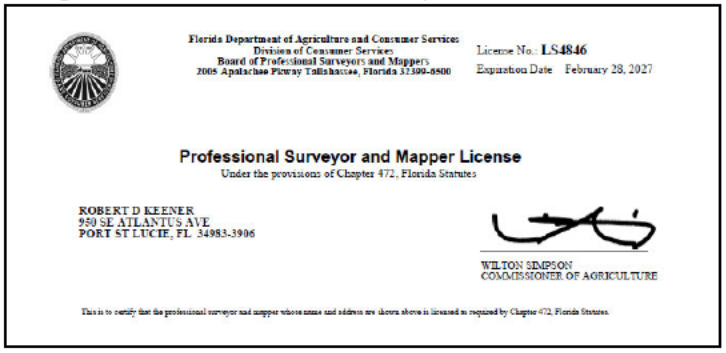
Craig A Smith – Lic. No. LS4846 – Exp. 2/28/2027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Division of Consumer Services
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License No.: LS4846
Expiration Date: February 28, 2027
Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes
ROBERT D KEENER
950 SE ATLANTUS AVE
PORT ST LUCIE, FL 34983-3906
WILTON SIMPSON
COMMISSIONER OF AGRICULTURE
This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Tab 5: Approach to Scope of Work

R.J.Behar

TAB 5 – Approach to Scope of Work

Understanding of the Scope of Services

This contract is for Bridge Design and Miscellaneous Structural Engineering Services for the Public Works Department. We have reviewed the RFQ and understand the scope of services will be for bridge replacements, seawalls, bulkheads, water/wastewater structures, and other miscellaneous structures.

The bridges requiring replacement are:

1. SE 13th Street Bridge – Bridge #: 865765
2. NE 1st Street Bridge – Bridge #: 865727
3. Bayview Drive over Longboat Inlet Bridge – Bridge #: 865708

Other services anticipated:

- Nondestructive testing, underwater inspection, integrity assessment of structural elements, and nonlinear finite element analysis, if needed.
- Assessment of structures and preparation of master plans with short-term and long-term repair and replacement recommendations. The master plans will include planning level design documents including sketches, preliminary descriptions of work to be performed, and cost estimates.
- Perform, review, and utilize the findings of the surveys, geotechnical investigations, inspections, and material sampling and testing programs to perform an overall condition assessment and rating of the various structural components.
- Analysis, design, evaluation, inspection of concrete, steel, metal, timber, and masonry structures and development of construction documents for all types of structures such as buildings, bridges, seawalls, and water and wastewater plant structures in accordance with relevant Building Codes and applicable standards.
- Design of repair/strengthening techniques and development of construction documents for all types of structures such as buildings, bridges, seawalls, and water and wastewater plant structures.
- Perform structural feasibility studies.
- Recommend routine maintenance, operational practices, and repairs and/or enhancements that would appreciably extend the remaining structure's service life.
- Design of foundation systems for various structures including concrete spread footings, toe wall footings, mat foundation, auger cast piles, steel piles, and precast concrete piles.
- Conduct field inspections of all structural elements and prepare designs and specifications for appropriate repairs and replacements. Prepare technical specifications (TSPs) for materials and construction methods not covered by standard specifications.
- Perform evaluation, analysis and recommendations for soil strengthening and remediation.
- Provide cost estimates for proposed design and improvements at various stages (30% complete, 60% complete, 90% complete, and 100% complete) of a project.
- Post design services (EOR) and construction administration (when not EOR) and assisting City Staff with bidding and bid evaluation.
- Consultant Services for Public Outreach and public meetings services
- Utility Coordination and Subsurface utility engineering (SUE) to identify a potential utility conflict, and utility relocation design.
- Permitting – Prepare permit applications along with supporting documentation.
- Drainage design and plans.
- Final load rating analysis per FDOT standards.
- Preparation of a Project Manual containing pertinent documents (i.e., plans, permits, calculations, reports) as well as backup information (such as correspondence, Meeting Minutes, etc.) and supporting design decisions.
- Grant applications.
- Staff augmentation.

Approach to Project Process

RJ Behar's design tasks will be performed using the general outline as described below:

Data Collection and Review of Existing Conditions: Field visits will be performed to refine the scope. A site review with photo documentation and field notes will be taken. Existing utilities, and drainage issues will be noted on the structure and in the general area approaching the structure. Data collection, including previous inspection reports, and existing plans will be done to get a good understanding of the site, and work that was previously done. We will also search for nearby projects that may affect the worksite. Also, we check the Property Appraiser's website for an early look to see if the structures can be built within the existing ROW along with sufficient work areas for the contractor. A site-specific survey will be done as well for final determination of the ROW line and available workspace.

Design and Construction Documents: Final designs and plans will be prepared based on the results of our field reviews, analyses, and discussions with the City staff. The phases of submittal will be discussed with the PM for each task, but are typically 30%, 60% Substructure, 90% Superstructure, and 100% Submittals.

Estimate of Probable Cost: RJ Behar will provide an Engineer's Opinion of Probable Cost (EOPC) at the 60% submittal, 90% submittal, and another final estimate with the 100% contract documents, which will include a detailed tabulation of all portions of the project.

Technical Specifications: RJ Behar will prepare technical specifications in relation to the final design components. The specifications package will follow the City's specifications and FDOT Standard Specifications with modifications necessary to convey requirements for the materials and products selected.

Permitting: Typically, the City will be the applicant with RJ Behar listed as agent. All permit fees are paid by the Contractor or the City, which will be clearly identified with the fee proposal for each task. The list below shows some of the permits anticipated under this contract, albeit not exclusive:

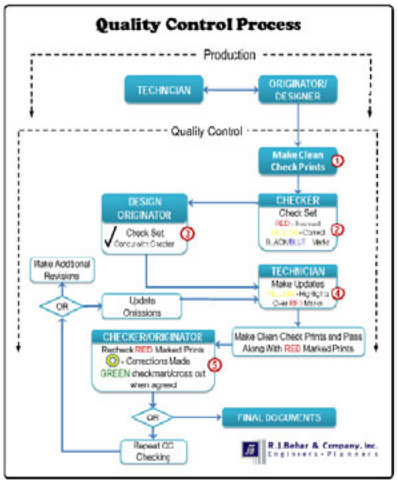
- City of Fort Lauderdale Building Permit - to be submitted by the Contractor, who will make the official application and pay the permit fee.
- South Florida Water Management District ROW – We propose a Concept Only submittal (dry run) to avoid delay claims, which makes for faster construction.
- Florida Department of Environmental Protection (FDEP) Environmental Resources Permit
- United States Army Corps of Engineers
- Central Broward Water Control District

Post Design Engineering Services: We anticipate the following:
Bidding/Award Assistance: RJ Behar will aid in the construction procurement process reviewing all submittals to ensure minimum qualifications have been met, assist with establishing minimum qualifications, review the scope of work to ensure it achieves the overall goal of the design plans, attend prebid site visits/meetings and conferences, responding to bid questions (RFI's) within five business days of receipt of questions, and if needed, formally recommend a contractor for award based on minimum qualifications being met in conjunction with lowest bid amount.

- During construction there may be a need to attend the following meetings:
  i. Preconstruction Meeting
  ii. Monthly Progress Meetings
- During construction there may be a need to perform field reviews. RJ Behar will attend field reviews. as required by the City.
- Throughout the duration of the construction there may be a need to review shop drawings and submittals, provide clarifications, respond to request for information (RFI) and review change orders. This review shall verify the conformance of shop drawings with design drawings. RJ Behar will review and process shop drawings submittals within seven (4) calendar days of their receipt. RJ Behar will create a log, review the shop drawings, and will determine whether these are acceptable for construction or whether a resubmittal is required. Upon completion of the shop drawing review, we will forward the shop drawing package to the City's Project Administrator.

Schedule: A schedule will be developed within 10 days after Notice to Proceed (NTP). This will be a live document and be resubmitted as required when something changes outside of our purview which affects the project. All scope changes will be reflected in the current schedule, so that there are no surprises at the end. We understand the importance of keeping the schedule and will use proactive management strategies such as the Earned Value Method to see systematically when a project gets behind so measures can be taken early on to address issues which may affect the schedule. Predesign Reports,

Topographic and Hydrographic Survey, Geotechnical Testing and Report, and Environmental/Species Surveys are included in this contract. The schedule will be front loaded with these items, which are essential to begin the structural design. Please refer to the bridge design schedules at the end of this section. The longest bridge at NE 13th Street can be designed in 19 months, and the short bridges at NE 1st Street and Bayview Drive can be completed in 16 months. All three bridges can be designed simultaneously, if needed.



Quality Control Process (QA/QC): Our goal is to completely avoid errors and omissions, which are accomplished with our robust quality control (QC) process, which consists of a continuous and thorough evaluation of design elements, calculations, response to review comments, and using review checklists and flowcharts for all deliverables. We will prepare and adhere to a QC Plan detailing the QA/QC procedures. Our subconsultants will also adhere to the QA/QC procedures. Our QC process utilizes qualified professionals who are not involved in the design and production of the project to review the documents produced. Each deliverable goes through this process before submittal. Based on our previous experience with the City, we have developed a very specific QC procedure that has been tailor fit for the scope needed in this contract. We keep a Lessons Learned list of our own with issues and resolutions of problems in past projects. We also provide quality control training in-house and send our employees for training, such as the FDOT Transportation Symposium. We also take the plans to the field to check against the existing field conditions and conflicts or constructability problems. Our CEI personnel will check for any constructability problems and evaluate our Temporary Traffic Control Plan (TTCP). As QA officer, Mr. Robert Behar, PE, will check the documentation to verify that the process is followed by all members of the team. Mr. Gregory Dover, PE will verify that the City's review comments are resolved satisfactorily. We have identified seasoned professionals for QC review of the major elements, TTCP, and structural design. Please refer to our Organization Chart, which identifies our QC Team.

Understanding of Project Issues

We understand that bridge replacement operations have a significant impact on the public, and our team has tremendous experience with all the regulations and design criteria that govern these issues. For all bridges, we propose to follow the FDOT Bridge Development Report (BDR) procedure to evaluate cost, constructability, maintainability, aesthetics, and precast (accelerated construction) options. We visited the three bridge sites and have identified some key issues and project challenges and have developed our proposed vision and design ideas and methodology, as noted below:

Fig. 3 – Posting sign at bridge 865765

Bridge 865765 - SE 13th Street Bridge

The existing bridge was built in 1952 and is near the end of the typical 75-year AASHTO recommended design life. It is nine spans 20 ft. long, with 24 ft. of roadway width (See Fig. 1), and is currently substandard for load capacity, and is therefore POSTED for weight limit (See Fig. 3). The superstructure is made of simple span cast-in-place concrete slabs. The superstructure and substructure are both rated 5 (fair) at the last inspection, and bridge replacement is warranted. Key issues/challenges:

- Issue #1 – There is no existing approach slab to smoothly transition and reduce vehicle impact loads on the bridge.
  - ✓ Solution #1 – Add FDOT standard approach slab with standard 36" barrier on new bridge (20 ft. or 30 ft. options)
- Issue #2 – The width of shoulder and sidewalk is substandard. (See Fig. 2 and Fig. 6).
  - ✓ Solution #2 – Per FDOT FDM 260 and Greenbook, the bridge lane width will match the approach roadway width, with a 2.5 ft. min. shoulder and a 5 ft. min. sidewalk width. The barrier rail width will vary based on selection for each site. This results in a wider bridge than the existing, which will affect two driveways.

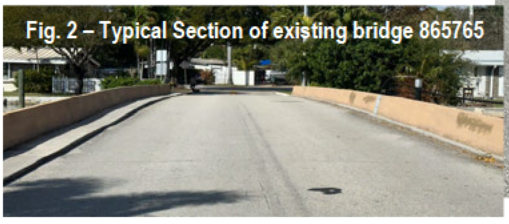


Fig. 2 – Typical Section of existing bridge 865765


Fig. 6 – Sidewalk is non-compliant for ADA and misaligned (865765)

- Issue #3 – No approach barrier creates a safety hazard for vehicles and pedestrians/bicyclists to fall into the canal (See Fig. 4).
  - ✓ Solution #3 – Provide FDOT standard barrier rails on all four corners of the bridge.
- Issue # 4 – Low vertical clearance over the waterway leads to advanced corrosion and shortens the lifespan of the bridge (See Fig. 5)
  - ✓ Solution #4 – Set the vertical profile higher to meet minimum water agency criteria to extend the life of the new bridge.
- Issue #5 – Utilities: There is a watermain located by markings on the approach roadway, but it may be subaqueous as it is not visible, and overhead lines (electric and others) on the north side of bridge. There is an AT&T cabinet on the southwest corner of the bridge that will be affected by any widening (See Fig. 9, 10, & 11).
  - ✓ Solution #5 – Work with the utility companies to provide either permanent relocation of the utilities or move them off the bridge temporarily during construction, and back on the bridge on a utility tray for the force main, and aerial or underground electric lines far enough on the north not to affect crane operations or pile installation and relocate the AT&T utility box.
- Issue #6 – A lot of pedestrian traffic was observed and would be affected by bridge construction.
  - ✓ Solution #6 – Maintain pedestrian traffic at all phases during construction.
- Issue #7 – There is no room to build a whole new bridge off to the side. The bridge will need to be phased with traffic on half of the bridge, while the other half is demolished and constructed (See Fig. 7 through 10 for limited space available at each corner of bridge).
  - ✓ Solution #7 – Utilize phased construction with one lane of traffic with a signal or build a temporary Acrow type bridge (rent from FDOT if available) for one direction of traffic and maintain the other direction on half of the remaining


Fig. 4 – No approach railing at ends of bridge 865765

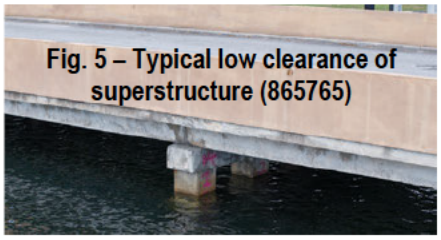


Fig. 5 – Typical low clearance of superstructure (865765)


Fig. 9 – AT&T utility cabinet near S.W. corner of bridge (865765)


Fig. 10 – Concrete electric line support pole and wood pole leaning (765865)

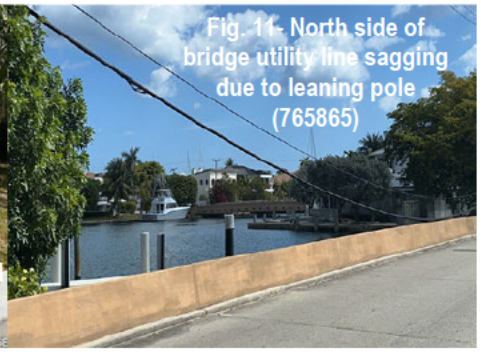


Fig. 11- North side of bridge utility line sagging due to leaning pole (765865)

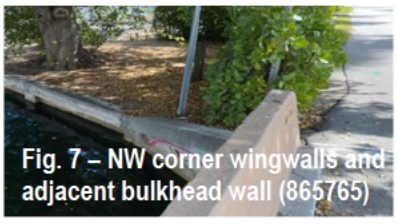


Fig. 7 – NW corner wingwalls and adjacent bulkhead wall (865765)


Fig. 8 - Driveway on SE corner close to bridge (865765)

bridge. During design, we will discuss the most suitable option with the City's project manager. A lot will depend on the traffic analysis, if there are backups on Cordova Drive due to a one lane bridge. This will require further studies during the design of a MOT and construction phasing plan the community can be comfortable with.


Fig. 12 – Typical Substructure – Concrete cap on concrete piles

- Issue # 8 – Limiting vibrations during construction.
  - ✓ Solution #8 - The pile type will be carefully coordinated with the geotechnical engineer. Priority will be given to low vibration pile installation, such as Augured-Cast-In-Place (ACIP) piles. Existing piles will be cut off 2 ft. below the mudline (See Fig. 12).
- Issue #9 – A corrosive environment for steel rebars will eventually shorten the lifespan of the new bridge.
  - ✓ Solution #9 – We will perform a cost/benefit analysis for the City for a fiber reinforce polymer rebar (FRP) in the substructure and superstructure, where practical. If steel rebar is used, additional concrete cover will be provided per FDOT protocols to extend the bridge's service life.

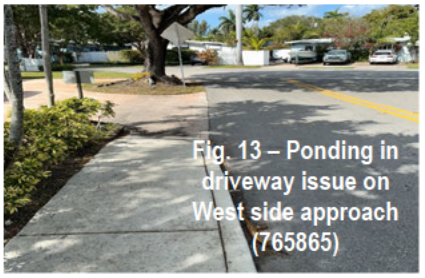


Fig. 13 – Ponding in driveway issue on West side approach (765865)

- Issue #10 – A ponding issue exists in the private driveway on the southwest approach near the intersection, due to the low point before the storm drain. With additional impervious areas being added to the bridge due to widening, this will increase the flooding of this driveway (See Fig. 13)
  - ✓ Solution #10 – An evaluation will be done to either raise the road profile and carry the water to the intersection or revise the drainage system to collect the water at the low point current location. A cost/benefit analysis will be submitted for final determination by the City.

Bridge 865727 - NE 1st Street Bridge

The existing bridge was built in 1940 and is at the end of the typical 75-year AASHTO recommended design life. It is 2 spans at 22 ft. long, with 24 ft. of roadway width, and is currently substandard for load capacity, and is therefore POSTED for weight limit (See Fig. 14). The superstructure is built of metal deck grating on steel beams. The superstructure is rated at 4 (poor) and the substructure is rated 6 (fair) on the last inspection and bridge replacement is warranted. This bridge has similar issues as the previous one, with no approach barriers, utilities on the bridge, driveways at each end affecting construction phasing, and low vibration pile options. Only new site-specific key issues are mentioned below:

Fig. 14

- Issue #1 Driveways are very close to the bridge and will limit the ability to phase construction. Also to utilize half the existing bridge, incredibly careful sawing of the metal grating would need to be done, along with a finite element analysis of the remaining bridge deck during construction.
  - ✓ Solution #1: A single lane, temporary ACROW bridge off to the side would work with a signal allowing the entire bridge to be replaced in the current location with no phasing.
- Issue #2: A pier in the water (as per existing) escalates permitting requirements (See Fig. 15).
  - ✓ Solution #2: Design for a single span FDOT FSB unit for 44 ft. long. The vertical clearance is very high, allowing a 15" FSB unit with a 6" topping to be used for the superstructure with the benefit of ***not having a pier*** in the water for the single span design. Alternatively, a drop in the steel bridge truss with several truss type options could be evaluated for speed of construction and aesthetics. All viable options should be evaluated with the FDOT BDR procedure.


Fig. 15 – Intermediate pier in water. Side view of superstructure (865727)

- Issue #3 – Bridge Aesthetics – Next to Victoria Park, and with a lot of observed pedestrian traffic, this bridge presents an opportunity for enhanced aesthetics.
  - ✓ Solution #3 – We will present options to the City for bridge enhancements along with associated costs for final determination if aesthetics will be used. On other similar bridges, things such as concrete urn planters, colorized concrete, aesthetic rails, pathway lighting for sidewalks, memorial plaques, City seals, decorative bridge light poles, and other options have been utilized.

Bridge 865708 - Bayview Drive over Longboat Inlet Bridge

This bridge may not be on the National Bridge Inventory, as the length of the bridge is 19'2", which is less than the 20-foot requirement. No bridge inspection information could be found online. The width of existing bridge is 28'4" curb to curb, with a 2'11" wide sidewalk each side (See Fig. 16). The structure type seems to be prestressed slab units, either never post-tensioned or with loosened post-tensioning, as indicated by parallel cracks in the asphalt. Bulkhead walls into the waterway were used to keep the bridge length short. It is noted the approach roadway widths are much wider than the bridge (See Fig. 20), which is good news for MOT phasing. Two lanes of traffic can be maintained on this bridge during construction given the available space. An overhead electric line on the south side of the bridge was noted but far enough away for bridge construction. In addition to similar issues as the other two bridges, the site-specific key issues are noted below:


Fig. 16 – Roadway half section view on bridge (865708)

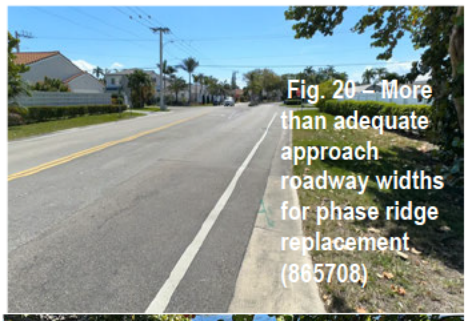


Fig. 20 – More than adequate approach roadway widths for phase ridge replacement (865708)


Fig. 17 – Bridge rail missing on SE side (865708)

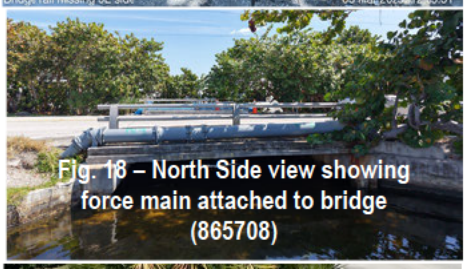


Fig. 18 – North Side view showing force main attached to bridge (865708)

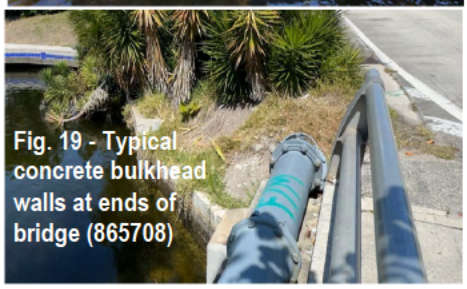


Fig. 19 - Typical concrete bulkhead walls at ends of bridge (865708)

- Issue #1 – A section of the rail is missing on the south side of the bridge and is only protected by a warning of the traffic cones (See Fig. 17).
  - ✓ Solution #1 - A temporary concrete barrier will need to be installed during construction if phasing utilizes this part of the bridge during construction.
- Issue #2 – A water utility on the south and force main sewer on the north (See Fig. 18) are attached to the bridge utility trays.
  - ✓ Solution #2 - Move utilities either permanently off or temporarily off and back on to the new bridge utility tray.
- Issue #3 - Bulkhead walls extend into the water (See Fig. 19), which kept the bridge length short. However, if there bridge widening occurs, we would evaluate the pros and cons of a new bulkhead wall vs. a longer bridge and discuss with the City the best approach. There is a concern that the approaches to the bridge might washout in a storm event overtopping the bulkhead wall.
  - ✓ Solution #3 - Higher bulkhead walls or slope protection may be warranted. Alternatively, a longer bridge would help with potential debris blockage due to the constriction of the short existing bridge. A cost/benefit analysis will be submitted to the City to determine the desired course of action for bulkhead walls vs. extending the bridge length and eliminating the bulkhead walls. We are aware of Article XXV of the Broward County Code of Ordinances regarding Resiliency Standards for Tidal Flood Protection that top of seawalls under tidal influence must be at El 4.0 by 2035 and EL 5.0 by 2050. Old seawalls may possibly be raised with a retrofit, or new seawalls may be required if not structurally feasible to retrofit.
- Issue #4 – If the bridge is transversely post-tensioned (PT), that will complicate being able to partially demolish and use half the bridge for phased construction. Cutting a PT strand or rod could be harmful, even fatal to the worker if it is not known it is there, when demolishing part of the bridge.
  - ✓ Solution #4 – If existing plans are not available, we will utilize GPR testing to find if there is PT strands/rods. RJ Behar will perform a load rating and repost the bridge if live load distribution has been reduced due to lack of PT. Also, we could require temporary support for the remaining bridge, if a PT strand/rod has to be removed, for stability of the bridge during phased construction.
- Issue #5 – Structure Type
  - ✓ Solution #5 – We propose an evaluation of 12" depth Florida Slab Beams (FSBs) with a 6" concrete topping per FDOT standards vs. a large precast-concrete box culvert for accelerated construction. There are pros and cons to each, and the most suitable structure type will be best determined by the FDOT BDR procedure.

Scheduling Methodology:

To establish a timeline for managing and executing the work, we will develop a Gantt Chart with MS Project Software. RJ Behar will enter all key milestones, including deliverable deadlines and data collection timelines such as survey, species

survey, geotechnical exploration. Then we will include QC deadlines, client reviews, listing all permit submittal dates and anticipated review times. Also, we will include pre-app meetings where applicable early in the process to reduce the permit review times by obtaining all the agency requirements early in the design process. The chart will be updated frequently as the project evolves. We will keep the City's Project Manager informed of any potential delays or of any project issues that might affect the schedule and mitigate them before the issue becomes a major problem.

Project Management Approach

We will manage the work and timeline by utilizing industry standard project management practices. Our first step is to create a collaborative team environment. This starts with a morning huddle for daily team goal setting. We will discuss what needs to be done that day and how it will be done with senior engineers guiding the approach. With clarity on roles and responsibilities, each team member knows what they are responsible for to advance that project that day. Then days turn into weeks, and weeks into months, and the project stays on track and is delivered on schedule. Additionally, we will provide monthly progress reports to the City's Project Manager and will meet with him/her at the interval of their choosing to discuss the project's progress.

One of our most important focal points is concise and clear communication. We do not believe simply sending an email is sufficient for adequate communication on every issue. When appropriate, we follow up emails with phone calls or virtual meetings to make sure the issues are clearly addressed and understood by all. We also have a focus on value management. We will utilize the Earned Value Method to systematically identify when a project goes off track to address any project issue before it becomes a project delay or before it puts financial strain on the project.

RJ Behar will have a risk assessment evaluation early in the project to identify and mitigate any threats to the success of the project, such as knowledge of temporary extended permit review times or knowledge of material shortages and availability due to external project issues such as tariffs, for example. We will mitigate potential permit delay risks by planning early pre-app meetings, and by choosing the right structural materials and avoid future delays with potential procurement issues. We will utilize a project journal to document any issue that presents itself or any major design decision or changes in requirements by the City or updated codes, etc. The journal will be a timeline of events that are especially useful if anyone needs to look back and see what decisions were made and when.

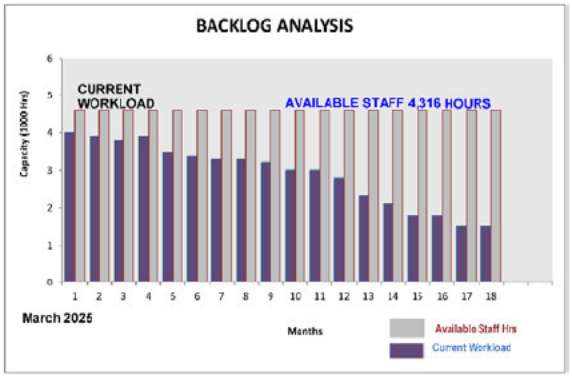
Since the projects that may be assigned under this contract are mostly unknown, our approach is essentially to provide the City with a comprehensive team of experts who will be available to provide any service, from planning and detailed design to construction administration. We are aware of the need to be responsive, cost effective and to provide innovation. Our team will provide the following advantages:

- High Qualifications: Team leaders are seasoned professionals with the required qualifications and many years of experience to develop solutions that meet all the project requirements. Our employees are constantly attending continuing education seminars, and our project construction inspectors are FDOT certified.
- Local Knowledge: RJ Behar's professionals are located within the region and have knowledge of topographical, geological and environmental conditions. They are knowledgeable of the permit requirements and have working relationships with permit regulators. They are also knowledgeable of local utility companies and their representatives.
- Responsiveness: Our contracts are directly supervised by our firm's principals who understand that repeat business is the key to our success and as such recognize the need to satisfy our clients.
- Innovative: RJ Behar has incorporated sustainable designs and planning into our list of services. Our project team includes a group of savvy and experienced designers. They are constantly bringing innovative design solutions to our projects.
- Cost effective: Our management approach is tailored to develop designs that are within the scope and within the funding constraints. The main objective to meet this goal is having a good understanding of the scope and what is the product the City is looking for.

Current Workload of the Firm

The table to the right reflects **RJ Behar's** workload. We have a proven management record enabling us to address challenges in a proactive manner. Specifically, we hold weekly meetings with our project managers, where we discuss every single project in detail to responsibly manage current and additional workloads. The following items are discussed in these meetings:

- Project schedules/milestones for each project.
- Staffing needs for each project.
- Remaining project budgets.
- Project performance for each project.



RJ Behar has a proven record for successfully managing multiple contracts. We accomplish this by utilizing a combination of our management and technical expertise combined with quality and responsive subconsultants whom together will provide an excellent team. Our management plan integrates three key components that are required for a successful project, which are: 1) schedule management, 2) staff and resource management and 3) quality control. **RJ Behar's** project management approach is best described as RESPONSIVE. The top priority on all projects is to ensure that our team maintains close and continuous coordination with the City's Project Manager and all our subconsultants.

Structural assignments will be spread out to different design teams to handle multiple assignments simultaneously. For example, each of the three bridges will have a separate assigned Engineer-of-Record (EOR) with a supporting engineer and designer, so work on all three sites may proceed in parallel for expeditious delivery of the contract documents. To keep the workflow moving on these projects, we will conduct weekly internal meetings to coordinate project issues. Additionally, with a resource management software tool, we will enter and track all the projects with the City as a fixed item.

Document Control

Document control is especially important. All administrative procedures and legal protections require proper care for documentation. **RJ Behar** understands matching documentation requirements with any size project. We use a straightforward system for prioritizing, routing, and maintaining the necessary project documentation. Besides memos and meeting minutes, there are contract documents, plans, specifications, operation manuals, survey data and invoicing that will all need to be routed to their proper locations within the City system. **RJ Behar** has worked with numerous public agencies and municipalities since its inception and is adept at organizing project documentation using the client's methods, procedures, and formats. We are familiar with most document formats used in engineering documentation and will easily adapt to requirements of the City early in the project.

Technical Capabilities

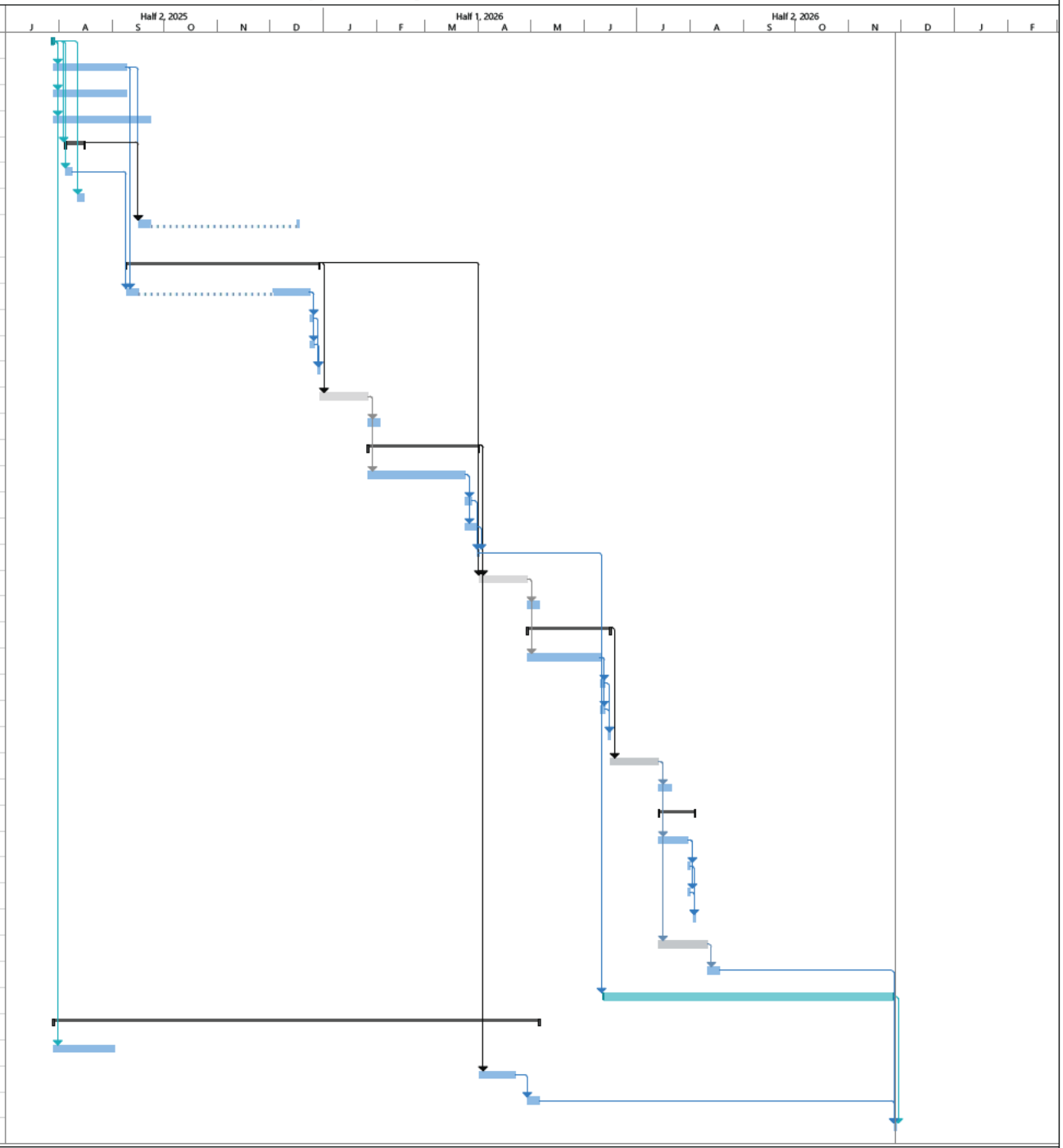
RJ Behar has all the modern equipment and structural analysis software including Bentley Open Bridge, STAAD Pro, Mathcad, and Excel will be utilized. We have software tools available for all types of structures in this contract. We also utilize a state-of-the-art drone for better photographic data collection to enhance efficiency and safety of field work.

We understand our role as a trustworthy steward to deliver the City's projects with the utmost integrity and compliance with all relevant design codes. Our Project Manager, Mr. Greg Dover, PE will communicate the vision and goals of the project with the design team, and will closely monitor the progress of the project, and will fully embrace the responsibility to ensure the successful delivery of the project. Mr. Dover will lead the charge by being involved as chief engineer for technical design as well as project manager for the contract. His management style is proactive, not reactive. He will plan the work with proven management strategies and work the plan with a qualified team who is just as committed to the success of this contract.

Our objective in these contracts is to provide the client with high quality, timely professional services in support of your mission. We commit ourselves to be an extension of your staff and to "tailor fit" our services to provide specifically what the client desires. Our project manager provides direction and is responsible to the City for the quality and timeliness of the work.

DESIGN SCHEDULE
NE 1st St. and Bayview Dr. Bridge

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Notice To Proceed**	1 day	Mon 7/28/25	Mon 7/28/25	
2	**Topo Survey**	30 days	Tue 7/29/25	Mon 9/8/25	1
3	**Geotechnical Report**	30 days	Tue 7/29/25	Mon 9/8/25	1
4	**Species Report**	40 days	Tue 7/29/25	Mon 9/22/25	1
5	**Field Reviews**	9 days	Tue 8/5/25	Fri 8/15/25	1
6	**Field Visit**	4 days	Tue 8/5/25	Fri 8/8/25	1FS+5 days
7	**Data Collection**	4 days	Tue 8/12/25	Fri 8/15/25	1FS+10 days
8	**Coordination Meeting (Utility owners & Permit Agencies)**	6 days	Tue 9/16/25	Wed 12/17/25	2FS+5 days,5
9	**30% Submittal**	80 days	Tue 9/9/25	Mon 12/29/25	
10	**30% Design & Plans**	20 days	Tue 9/9/25	Tue 12/23/25	6,2
11	**Cost Estimate**	2 days	Wed 12/24/25	Thu 12/25/25	10
12	**Quality Control Review**	3 days	Wed 12/24/25	Fri 12/26/25	10
13	**30% Design Submittal**	1 day	Mon 12/29/25	Mon 12/29/25	11,12
14	**City Review & Comments**	20 days	Tue 12/30/25	Mon 1/26/26	9
15	**Respond to Comments**	5 days	Tue 1/27/26	Mon 2/2/26	14
16	**60% Submittal**	46 days	Tue 1/27/26	Tue 3/31/26	
17	**60% Design & Plans**	40 days	Tue 1/27/26	Mon 3/23/26	14
18	**Cost Estimate**	4 days	Tue 3/24/26	Fri 3/27/26	17
19	**Quality Control Review**	5 days	Tue 3/24/26	Mon 3/30/26	17
20	**60% Design Submittal**	1 day	Tue 3/31/26	Tue 3/31/26	19,18
21	**City Review & Comments**	20 days	Wed 4/1/26	Tue 4/28/26	16,9
22	**Respond to Comments**	5 days	Wed 4/29/26	Tue 5/5/26	21
23	**90% Submittal**	34 days	Wed 4/29/26	Mon 6/15/26	
24	**90% Design & Plans**	30 days	Wed 4/29/26	Tue 6/9/26	21
25	**Cost Estimate**	3 days	Wed 6/10/26	Fri 6/12/26	24
26	**Quality Control Review**	3 days	Wed 6/10/26	Fri 6/12/26	24
27	**90% Design Submittal**	1 day	Mon 6/15/26	Mon 6/15/26	26,25
28	**City Review & Comments**	20 days	Tue 6/16/26	Mon 7/13/26	23
29	**Respond to Comments**	5 days	Tue 7/14/26	Mon 7/20/26	28
30	**100% Submittal**	15 days	Tue 7/14/26	Mon 8/3/26	
31	**100% Design & Plans**	13 days	Tue 7/14/26	Thu 7/30/26	28
32	**Cost Estimate**	1 day	Fri 7/31/26	Fri 7/31/26	31
33	**Quality Control Review**	1 day	Fri 7/31/26	Fri 7/31/26	31
34	**100% Design Submittal**	1 day	Mon 8/3/26	Mon 8/3/26	32,33
35	**City Review & Comments**	20 days	Tue 7/14/26	Mon 8/10/26	28
36	**Respond to Comments**	5 days	Tue 8/11/26	Mon 8/17/26	35
37	**Permits**	120 days	Fri 6/12/26	Thu 11/26/26	20
38	**Utility Coordination**	201 days	Tue 7/29/25	Tue 5/5/26	
39	**Initial Contact**	25 days	Tue 7/29/25	Mon 9/1/25	1
40	**Second Contact/Conflics Resolution**	15 days	Wed 4/1/26	Tue 4/21/26	16
41	**Utility Meeting**	5 days	Wed 4/29/26	Tue 5/5/26	40FS+5 days
42	**Final Submittal**	1 day	Fri 11/27/26	Fri 11/27/26	37,41,36

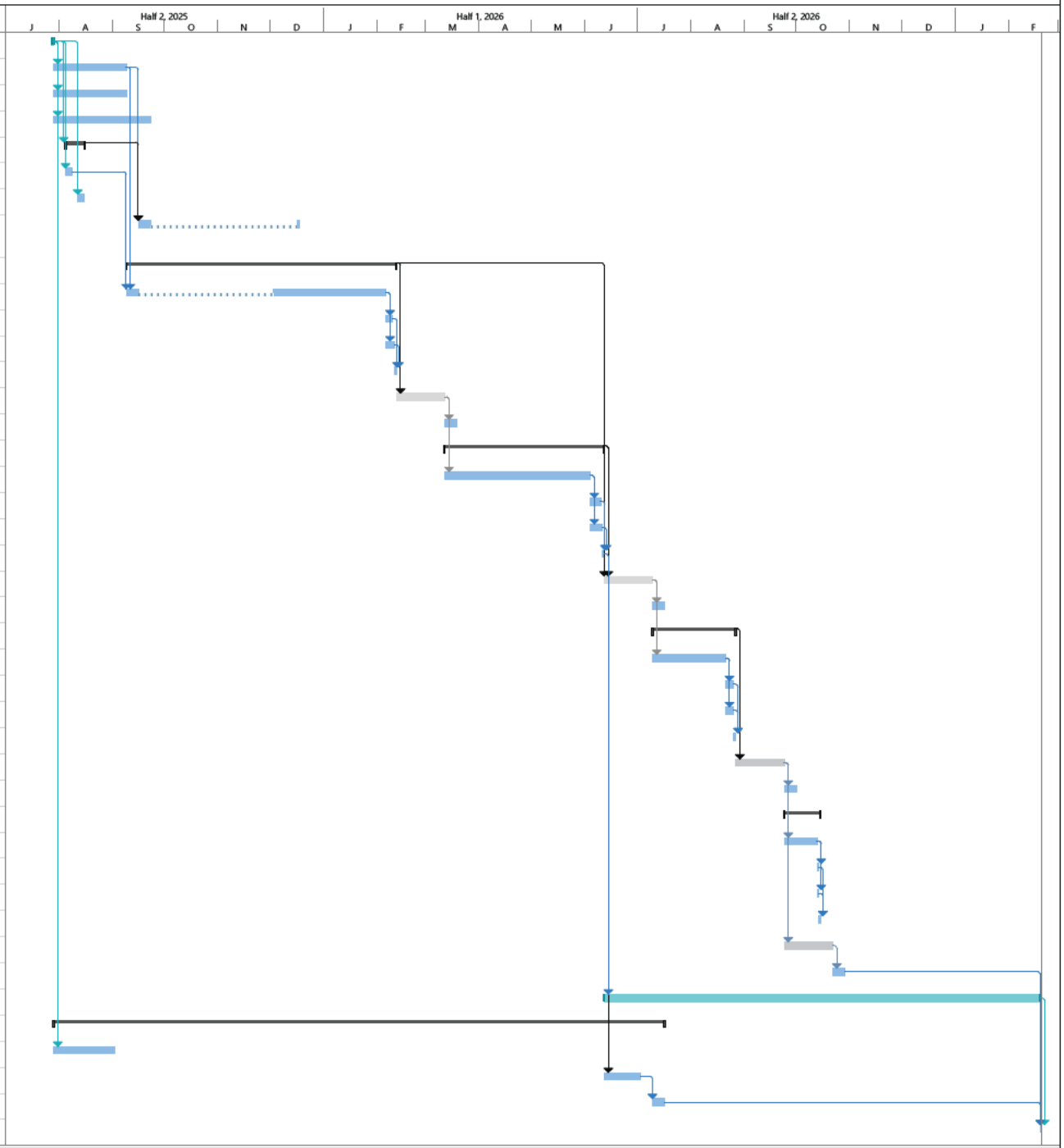


Project: NE 1st St and Bayview Dr_City of Fort Lauderdale
Date: Wed 3/26/25

Task	Project Summary	Manual Task	Start-only	Deadline			
Split	Inactive Task	Duration-only	Finish-only	Progress			
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress			
Summary	Inactive Summary	Manual Summary	External Milestone				

DESIGN SCHEDULE SE 13th St. BRIDGE

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Notice To Proceed**	1 day	Mon 7/28/25	Mon 7/28/25	
2	**Topo Survey**	30 days	Tue 7/29/25	Mon 9/8/25	1
3	**Geotechnical Report**	30 days	Tue 7/29/25	Mon 9/8/25	1
4	**Species Report**	40 days	Tue 7/29/25	Mon 9/22/25	1
5	**Field Reviews**	9 days	Tue 8/5/25	Fri 8/15/25	1
6	**Field Visit**	4 days	Tue 8/5/25	Fri 8/8/25	1FS+5 days
7	**Data Collection**	4 days	Tue 8/12/25	Fri 8/15/25	1FS+10 days
8	**Coordination Meeting (Utility owners & Permit Agencies)**	6 days	Tue 9/16/25	Wed 12/17/25	2FS+5 days,5
9	**30% Submittal**	112 days	Tue 9/9/25	Wed 2/11/26	
10	**30% Design & Plans**	52 days	Tue 9/9/25	Thu 2/5/26	6,2
11	**Cost Estimate**	2 days	Fri 2/6/26	Mon 2/9/26	10
12	**Quality Control Review**	3 days	Fri 2/6/26	Tue 2/10/26	10
13	**30% Design Submittal**	1 day	Wed 2/11/26	Wed 2/11/26	11,12
14	**City Review & Comments**	20 days	Thu 2/12/26	Wed 3/11/26	9
15	**Respond to Comments**	5 days	Thu 3/12/26	Wed 3/18/26	14
16	**60% Submittal**	66 days	Thu 3/12/26	Thu 6/11/26	
17	**60% Design & Plans**	60 days	Thu 3/12/26	Wed 6/3/26	14
18	**Cost Estimate**	4 days	Thu 6/4/26	Tue 6/9/26	17
19	**Quality Control Review**	5 days	Thu 6/4/26	Wed 6/10/26	17
20	**60% Design Submittal**	1 day	Thu 6/11/26	Thu 6/11/26	19,18
21	**City Review & Comments**	20 days	Fri 6/12/26	Thu 7/9/26	16,9
22	**Respond to Comments**	5 days	Fri 7/10/26	Thu 7/16/26	21
23	**90% Submittal**	34 days	Fri 7/10/26	Wed 8/26/26	
24	**90% Design & Plans**	30 days	Fri 7/10/26	Thu 8/20/26	21
25	**Cost Estimate**	3 days	Fri 8/21/26	Tue 8/25/26	24
26	**Quality Control Review**	3 days	Fri 8/21/26	Tue 8/25/26	24
27	**90% Design Submittal**	1 day	Wed 8/26/26	Wed 8/26/26	26,25
28	**City Review & Comments**	20 days	Thu 8/27/26	Wed 9/23/26	23
29	**Respond to Comments**	5 days	Thu 9/24/26	Wed 9/30/26	28
30	**100% Submittal**	15 days	Thu 9/24/26	Wed 10/14/26	
31	**100% Design & Plans**	13 days	Thu 9/24/26	Mon 10/12/26	28
32	**Cost Estimate**	1 day	Tue 10/13/26	Tue 10/13/26	31
33	**Quality Control Review**	1 day	Tue 10/13/26	Tue 10/13/26	31
34	**100% Design Submittal**	1 day	Wed 10/14/26	Wed 10/14/26	32,33
35	**City Review & Comments**	20 days	Thu 9/24/26	Wed 10/21/26	28
36	**Respond to Comments**	5 days	Thu 10/22/26	Wed 10/28/26	35
37	**Permits**	180 days	Fri 6/12/26	Thu 2/18/27	20
38	**Utility Coordination**	253 days	Tue 7/29/25	Thu 7/16/26	
39	**Initial Contact**	25 days	Tue 7/29/25	Mon 9/1/25	1
40	**Second Contact/Conflics Resolution**	15 days	Fri 6/12/26	Thu 7/2/26	16
41	**Utility Meeting**	5 days	Fri 7/10/26	Thu 7/16/26	40FS+5 days
42	**Final Submittal**	1 day	Fri 2/19/27	Fri 2/19/27	37,41,36



Project: SE 13th Street Bridge_City of Fort Lauderdale
Date: Tue 3/25/25

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress

Tab 6: References

R.J.Behar

All references shall include owner, address, contact name, phone number, email and the contract value. References shall not include the City of Fort Lauderdale. A minimum of three (3) references shall be provided. Refer to Section 2.8 Minimum Qualifications.

Note: Do not include proposed team members or parent/subsidiary companies as references in your submittals.

A. PROPOSERS NAME: R.J. Behar & Company, Inc.

SPECIFIC EXPERIENCE NO.1

Name of firm to be contacted: City of Miami Beach Facilities Management Division

Address: 1833 Bay Road, Miami Beach, FL 33139

Contact Person: Olga Sanchez, E.I., C.G.C., LEED AP, Senior Facilities Capital Projects Coordinator

Phone No: (305) 673-7000 Ext: 22567

Contact E-Mail Address: OlgaSanchez@miamibeachfl.gov

Project Performance Period: 04/2023 to 10/2024
Dates should be in mm/yy format

Project Name : 225 Washington Avenue Facility

Location of Project: As above

Description of the overall scope:
The scope of work included the 40-yr certification, inspection of the life/safety components of the building (structural and electrical) and provide the certification form.

Description of work that was self-performed by proposer:
R.J. Behar performed the structural and electrical inspections of the and provided the 40-Year Inspection Cert. An inspection report, indicating the deficiencies found (if any) of the building structural and electrical systems, elements, and miscellaneous components. RJ Behar also included preliminary recommendations for retrofits or repairs of the deficiencies found, including a preliminary estimate of probable construction costs. A digitally signed and sealed report for structural and electrical was delivered, including the certification form.

Original Project Budget: $13,112.72 Project Final Cost: $13,112.72

SPECIFIC EXPERIENCE NO.2 Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Address: 2300 N. Jog Road, 3rd Floor, West West Palm Beach, Florida 33411

Contact Person: Mr. Morton Rose, PE

Phone No: (561) 684-4000

Contact E-Mail Address: mrose@pbcgov.org

Project Performance Period: 12/7/2004 to Ongoing
Dates should be in mm/yy format

Project Name : Palm Beach County Structural Annual Contract

Location of Project: Throughout Palm Beach County, numerous locations

Description of the overall scope:

R.J. Behar & Company, Inc. was contracted by Palm Beach County to provide structural engineering services (design, reviews, inspections) on an as-needed basis.

Description of work that was self-performed by Proposer:
These services include structural engineering design of new facilities and repairs of existing facilities, structural inspections and/or evaluations of existing structures and evaluations of conditions on structural engineering construction projects designed by others. The exact scope and schedule are to be established on a project-by-project basis.

Design budget to date:
Original Project Budget: $6,150,000

Construction Cost to date:
Project Final Cost: $60,000,000 (estimate)

SPECIFIC EXPERIENCE NO.3

Address: 6591 SW 160 Avenue, Southwest Ranches, FL 33331

Contact Person: Luis Ochoa, PE

Phone No: (954) 680-3337 Ext. 203

Contact E-Mail Address: luis@sbdd.org

Project Performance Period: 02/14/2024 to 3/08/2024
Dates should be in mm/yy format

Project Name : Pump Station Housing Inspection

Location of Project: Miramar, Florida

Description of the overall scope:

The South Broward Drainage District retained RJ Behar to provide structural inspections of the control building Pump Station S-4/S-5. The purpose of the inspection was to assess the condition and integrity of the concrete structure on the property. The structural inspections of the building included the foundation, roof, beams, roof slab, walls, surface coatings.

Description of work that was self-performed by Proposer:

The structural inspection of the Control Building Pump Station S-4/S-5 revealed various types of cracks throughout the concrete structure. These cracks, including horizontal mortar cracks, T-beam slab longitudinal cracks, CMU diagonal cracks, opening corner cracks, and tie-beam cracks, were observed to varying extents but generally did not compromise the overall integrity of the building. Despite the presence of cracks, the structure was found to be in satisfactory condition, with no significant structural issues detected. The observed cracks are likely attributable to factors such as natural settlement over time, periodic vibrations, and lateral movement of the building. Additionally, the proximity of periodic blasting activities from a nearby quarry may contribute to some unnatural movement, as evidenced by the higher occurrence of cracks compared to similar buildings of the same age in other locations. A report was submitted and the repairs were made.

Original Project Budget: $5,841.00 Project Final Cost: $5,841.00

Tab 7: Minority Women Participation

R.J.Behar

TAB 7 – Minority/Women Participation

R.J. Behar and Company, Inc. (RJ Behar) is a Minority Business Enterprise
Certification period: 1/02/2025 to 1/02/2027

State of Florida

Minority Business Certification

R.J. Behar & Company, Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
01/02/2025 to 01/02/2027

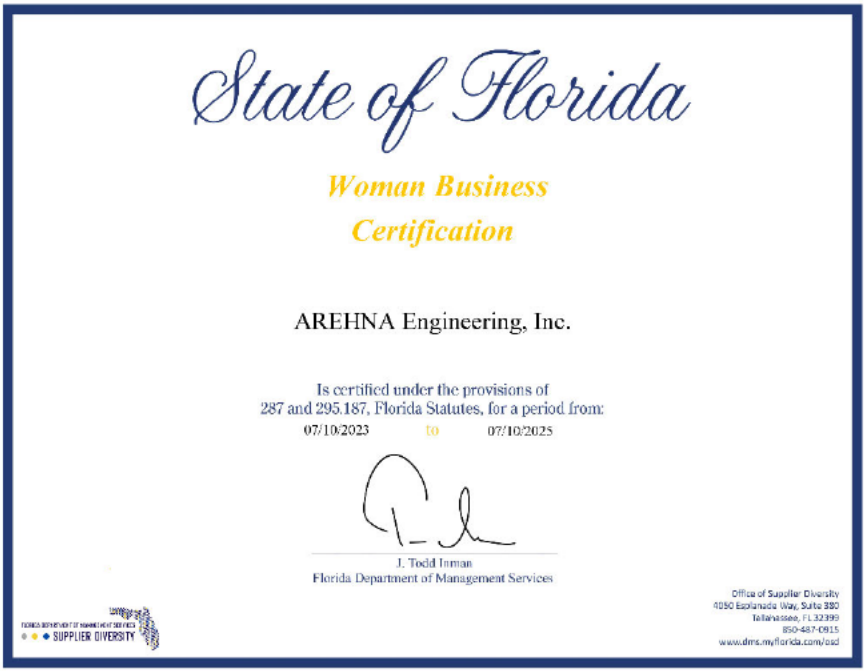
Pedro Allende
Florida Department of Management Services

FLORIDA DEPARTMENT OF MANAGEMENT SERVICES
SUPPLIER DEVELOPMENT

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

AREHNA Engineering, Inc. (AE)

WBE Certification period: 7/10/2023 to 7/10/2025



State of Florida

Woman Business Certification

AREHNA Engineering, Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
07/10/2023 to 07/10/2025

J. Todd Inman
Florida Department of Management Services

FLORIDA DEPARTMENT OF MANAGEMENT SERVICES
SUPPLIER DIVERSITY

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

Tab 8: Subconsultants

R.J.Behar

TAB 8 – Subconsultants

AREHNA Engineering, Inc. (AE) {MBE/DBE Firm – Prequalified in FDOT in Categories 9.1 Soil Exploration, 9.2 Geotechnical Classification Lab Testing}. AE is a geotechnical engineering and materials testing firm with an experienced staff of engineers, who work closely with clients and project design teams, carefully consider project information, and provide the most cost-effective solutions to the challenges faced on each project. Their project experience includes many thousands of projects including roadway improvement, drainage, safety and bike and pedestrian projects for FDOT District, Turnpike, FDEP, SWFWMD and counties and cities throughout the State. They will be providing all geotechnical engineering services on this project. AE has a full service geotechnical and construction materials testing laboratory, which is AASHTO accredited, USACE validated and FDOT approved located in Broward County, Florida. They also perform a variety of inspection services and have several CTQP Certified Inspectors located in South Florida. In addition, they provide specialty services such as vibration monitoring during construction.

Broward County Office:	Tampa Office:
5389 N Nob Hill Road	5012 W Lemon Street
Sunrise, Florida 33351	Tampa, FL 33609
(954) 778-9001	(813) 944-3464

Ms. Angela Alba, PE, has provided geotechnical engineering services on numerous geotechnical explorations over the past 26 years, including serving as the Geotechnical Discipline Lead for the I-595 Corridor Improvement project in Broward County, Florida, which is the first Public-Private-Partnership (P3) project ever awarded by FDOT. Ms. Alba has been involved in the planning, analysis, execution, and review of geotechnical projects ranging from roadway and railways to complex roadway bridge and tunnel projects to commercial high-rise buildings, school projects, and other local municipality projects. She has performed evaluations for retaining walls, drainage structures, shallow foundations, driven piles, drilled shafts, augercast piles, micropiles, and pressure injected footings. Ms. Alba's experience has also included finite element analysis, slope stability evaluations, soil nail wall design, and evaluation of geosynthetics applications, and geotechnical ground improvement techniques.

Craig A. Smith and Associates, LLC (CAS) is a Florida Corporation licensed for the practice of professional engineering, surveying, construction management and utility locates services.

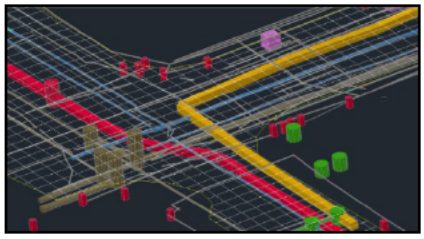
Palm Beach County Office:	Broward County Office:	Miami-Dade Office
4152 W. Blue Heron Blvd., Riviera Beach, FL 33404, Suite 116	1425 E. Newport Center Dr. Deerfield Beach, FL 33442	7900 Oak Lane Miami Lakes, FL 33016
(561) 314 4445	(954) 782-8222	(305) 940-4661

CAS **was established in 1980**. Since then, the firm expanded from its original technical orientation in municipal engineering and surveying into a full-service civil engineering practice with specialized expertise in engineering, surveying and mapping, grants/loan assistance, construction management, utility locates and CAD design & development. CAS's professional, technical and administrative personnel number 45+ people in the fields of civil engineering, water and wastewater engineering, stormwater engineering, surveying, mechanical engineering, construction engineering, grant specialists, utility locating, computer sciences, and finance.

CAS is a certified Small Business Enterprise firm with FDOT, Palm Beach County, City of West Palm Beach, Solid Waste Authority of Palm Beach County and South Florida Water Management District. CAS is FDOT prequalified in the following technical work Categories 8 – Survey and Mapping, 8.1 Control Surveying, 8.2 Design, Right-of-way and Construction Surveying, 8.4 Right-of-way Mapping. CAS surveying staff is comprised of licensed land surveyors who adhere to strict standards and give special attention to accuracy and detail. CAS utilizes the most modern electronic measurement equipment. Quality control measures are also implemented daily to ensure that our clients receive the highest quality service. CAS surveying services include Mapping & Platting, Boundary and Acreage Surveys, Land Description Preparation, Construction Surveys, As-Built Certifications. Mean High Water Surveys, and Aerial Drone Surveys.

CADD (Computer-Aided Design & Drafting): CAS employs an on-staff Florida Certified American Design & Drafting Association CADD operator and an Autodesk Certified professional. Their CADD technicians prepare detailed drawings, layouts, exhibits, topographical maps, and graphic representations of survey information and engineering designs. CAS

utilizes the latest AutoCAD software (Civil3D), custom-built AutoCAD systems and functions, as well as some industry-first hardware including 3D laser scanning technologies.



Subsurface Utility Locates: They provide complete subsurface utility engineering and location services utilizing the latest in electronic verification, ground penetrating radar, vacuum excavation and GPS survey equipment. CAS c an provide utility location information in various formats from simplistic 2D (two dimensional) to comprehensive 3D (three dimensional) Radar Tomography coupled with advanced software platforms (AutoCAD Civil 3D). CAS performs subsurface utility engineering providing utility mapping, electromagnetic designating, 2D radar designating, 3D radar tomography, vacuum soft digs, and conventional and GPS utility surveys. CAS also provides utility coordination services, interfacing with utility owner/operators on behalf of engineers, planners, contractors and project designers.

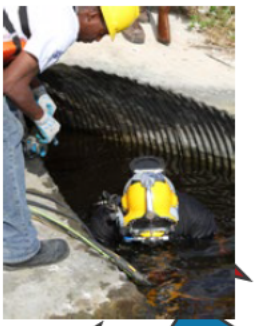
Mr. Robert D. Keener, PSM – Vice President/Survey – He has 47 years of experience in the survey, engineering and utility construction fields. He began his career as a Project Surveyor and Mapper and later in 2005 became CAS Vice President of Survey. He has provided route/right-of-way surveys, topographic mapping and creation of ortho-rectified and georeferenced imagery along with digital terrain models (DTMs), aerial surveying, plat reviews, as-built surveys and certifications for government clients. He is responsible for utility related services such as Radar Tomography, utility surface mapping, and utility excavations. His experience includes *Flagler Memorial Bridge Replacement, Surveying and Subsurface Utility Services – FDOT; Lindell Boulevard Improvements Survey & Subsurface Utility Engineering – City of Delray Beach.*

Underwater Engineering Services, Inc. (UESI) has been providing commercial diving services and underwater structural inspection services since 1984. Over the past 40 years, UESI has substantially increased their staffing and operations associated with commercial diving services performing underwater inspections of water control structures, bridges and power plant cooling water facilities, construction engineering inspections of bridge repairs, and scour protection installations. We have commercially trained professional engineer-divers and more than 30 commercially trained divers. UESI is also a Florida General Licensed Contractor.

UESI Equipment:

- 12 Dive station trailers
- 6 Dive work boats
- 2 Submersible ROV's
- 3 Cranes
- 50 Segmental barges
- Hydraulic pumps
- Hydraulic, pneumatic, and electrical power tools

UESI can field approximately 10 dive teams in a single day, depending upon the scope for each project. **Underwater Inspection Services, Inc. (UESI)** is a leading specialty engineering, commercial diving, and civil marine contractor operating throughout the world. UESI offers a wide range of services and turnkey solutions as well as design and specialty services uniquely applicable to the needs of customers ranging from nuclear power plant operators to heavy marine construction companies. UESI's core values of Safety, Customer Service, Quality, and Innovation form the foundation on which they perform work and conduct business. UESI is a customer centric organization where every project starts and ends with customer satisfaction in mind. They consider customer satisfaction as a core value second only to safety. A collaborative approach is embedded in all of our business practices. It is only in this way that the true needs of each customer can be met.



UESI provides specialized engineering, consulting, inspection, maintenance, repair, and construction services to customers worldwide. UESI services cover assets located both above and below the water and support operating facilities as well as facilities undergoing decommissioning. UESI has the capability and resources to respond rapidly to emergent work, perform large scale turnkey projects, and support multi-year service contracts. UESI has extensive experience in performing repair and maintenance work on wood, steel, and concrete structures. With their in-house engineering capability, they can address the design/build needs of complex repair or maintenance requirements. UESI's highly skilled dive teams and construction specialists, these services are easily applied to challenging problems often facing facility owners and operators.

Broward County Office:
3306 Enterprise Road
Fort Pierce, FL 34982
(772) 337-3116

Central Florida Office
1051 Winderley Place, Suite 400
Maitland, Florida 32751
772-429-9351

Mr. Jeffrey O'Connor, PE, SE, LEED AP – Manager Engineering Services over 27 years of experience in design, inspection, underwater inspection and management of highway and railway bridges, culverts, retaining walls, water control facilities, overhead sign structures and waterfront facilities. He has provided underwater inspection of bridges, culverts, weirs, spillways, boat locks, offshore navigation structures, seawalls, bulkheads, docks and piers. He was the Project Manager and Lead Engineer for the underwater inspection services for the South Florida Water Management District (SFWMD) – Structure Inspection Program (SIP) Contract, which included pump stations, spillways, gated culverts, weirs and boat locks.

Tab 9:
Required Forms
+ Addenda

R.J.Behar

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 11/5/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Edgewood Partners Insurance Agency 3780 Mansell Rd. Suite 370 Alpharetta GA 30022	CONTACT NAME: ACEC Certificates PHONE (A/C, No, Ext): 770-552-4225 FAX (A/C, No): E-MAIL ADDRESS: ACECcertificates@greyling.com
INSURED RJBEHAR R.J. Behar & Company, Inc. 6861 S.W. 196th Avenue Suite 302 Pembroke Pines FL 33332	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Sentinel Insurance Company, Ltd. — 11000 INSURER B : Hartford Casualty Insurance Company — 29424 INSURER C : Beazley Insurance Company, Inc. — 37540 INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 113169254 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC OTHER:			20SBWBA1624	11/17/2024	11/17/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 1,000,000 $ 1,000,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY			20UEGNG0289	11/17/2024	11/17/2025	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 1,000,000 $ $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB [ ] CLAIMS-MADE DED X RETENTION $ 10,000			20SBWBA1624	11/17/2024	11/17/2025	EACH OCCURRENCE AGGREGATE $	$ 4,000,000 $ 4,000,000 $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [N] (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		20WBGAD8LUV	11/17/2024	11/17/2025	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C	Professional Liability incl. Pollution Liability			C20C99240801	11/17/2024	11/17/2025	Per Claim Aggregate	$2,000,000 $3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Umbrella Follows Form with respects to General, Automobile & Employers Liability Policies.

CERTIFICATE HOLDER

For Proposal Purposes

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

NON-COLLUSION STATEMENT

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

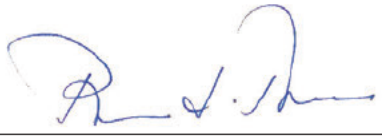
In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

> 3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g., ownership of five (5) percent or more).
>
> 3.4. Immediate family members (spouse, parents, and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

NAME	RELATIONSHIPS
_____	_____
_____	_____
	_____
	_____

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.



Authorized Signature

President

Title

Robert Behar

Name (Printed)

03-26-25

Date

Rev 09-2022

CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH NON-DISCRIMINATION PROVISIONS OF THE CONTRACT

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-17(a)(i)(ii), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

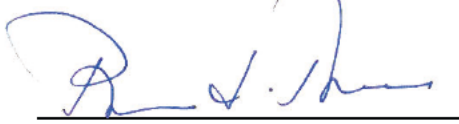
A. Contractors doing business with the City shall not discriminate against their employees based on the employee's race, color, religion, gender (including identity or expression), marital status, sexual orientation, national origin, age, disability, or any other protected classification as defined by applicable law.

Contracts. Every Contract exceeding $100,000, or otherwise exempt from this section shall contain language that obligates the Contractor to comply with the applicable provisions of this section.

The Contract shall include provisions for the following:

(i) The Contractor certifies and represents that it will comply with this section during the entire term of the contract.

(ii) The failure of the Contractor to comply with this section shall be deemed to be a material breach of the contract, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.



Authorized Signature

Robert Behar, President

Print Name and Title

03-26-25

Date

E-VERIFY AFFIRMATION STATEMENT

RFP/Bid /Contract No: RFQ Event 423

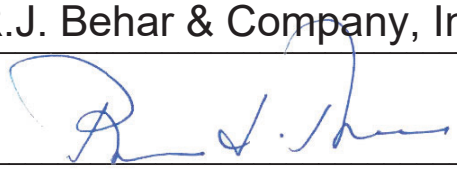
Project Description: Bridge Design and Miscellaneous Structural Engineering Services, Continuing Service Contract

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

(a) all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
(b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: R.J. Behar & Company, Inc.

Authorized Company Person's Signature: 

Authorized Company Person's Title: President

Date: 03-26-25

CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept the credit card or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below, you agree with these terms.

Please indicate which credit card payment you prefer:

____ MasterCard

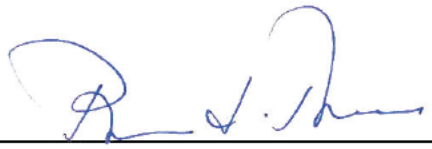
____ Visa

R.J. Behar & Company, Inc.

Company Name

Robert Behar

Name (Printed)



Signature

President

Title

03-26-25

Date

CITY OF FORT LAUDERDALE BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder/proposer to ensure that their response is submitted electronically through the City's on-line strategic sourcing platform prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit http://www.dos.state.fl.us/).

Company: (Legal Registration) R.J. Behar & Company, Inc. EIN (Optional): 65-0954070

Address: 6861 SW 196 Avenue, Suite 302

City: Pembroke Pines State: Florida Zip: 33332

Telephone No.: 954-680-7771 FAX No.: 954-680-7781 Email: _

Delivery: Calendar days after receipt of Purchase Order **(section 1.02 of General Conditions)**: _____

Total Bid Discount **(section 1.05 of General Conditions)**: _____

Check box if your firm qualifies for DBE **(section 1.09 of General Conditions)**: ❑

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

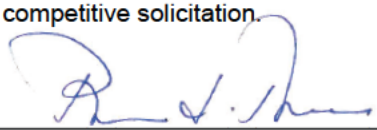
Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued
1	02-27-25						
2	02-27-25						

VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A.

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars ($500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Robert Behar
Name (printed)


Signature

03-26-25
Date

President
Title

AFFIDAVIT OF COMPLIANCE WITH FOREIGN ENTITY LAWS
(Florida Statute- §287.138, 692.201, 692.202, 692.203, and 692.204)

The undersigned, on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Entity is not owned by the government of a foreign country of concern as defined in Section 287.138, Florida Statutes. (Source:§ 287.138(2)(a), Florida Statutes)

2. The government of a foreign country of concern does not have a controlling interest in Entity. (Source:§ 287.138(2)(b), Florida Statutes)

3. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern. (Source: § 287.138(2)(c), Florida Statutes)

4. Entity is not owned or controlled by the government of a foreign country of concern, as defined in Section 692.201, Florida Statutes. (Source:§ 288.007(2), Florida Statutes)

5. Entity is not a partnership, association, corporation, organization, or other combination of persons organized under the laws of or having its principal place of business in a foreign country of concern, as defined in Section 692.201, Florida Statutes, or a subsidiary of such entity. (Source: § 288.007(2), Florida Statutes)

6. Entity is not a foreign principal, as defined in Section 692.201, Florida Statutes. (Source: § 692.202(5)(a)(I), Florida Statutes)

7. Entity is in compliance with all applicable requirements of Sections 692.202, 692.203, and 692.204, Florida Statutes.

8. ***(Only applicable if purchasing real property)*** Entity is not a foreign principal prohibited from purchasing the subject real property. Entity is either (a) not a person or entity described in Section 692.204(1)(a), Florida Statutes, or (b) authorized under Section 692.204(2), Florida Statutes, to purchase the subject property. Entity is in compliance with the requirements of Section 692.204, Florida Statutes. (Source:§§ 692.203(6)(a), 692.204(6)(a), Florida Statutes)

9. The undersigned is authorized to execute this affidavit on behalf of Entity.

Name: Robert Behar Title: President Entity: R.J. Behar & Company, Inc.

Signature: _____ Date: 03-26-25

NOTARY PUBLIC ACKNOWEDGEMENT SECTION

STATE OF Florida

COUTY OF Broward

The foregoing instrument was acknowledged before me, by means of ❑ physical presence or ❑ online notarization, this 26 day of March 20 25 by Robert Behar, as President for R.J. Behar & Company, Inc., who is personally known to me or who has produced _____ as identification.

Notary Public Signature: _____ (Notary Seal)

Print Name: Lizanna Kadir My commission expires: 05-13-2025

CITY OF FORT LAUDERDALE

ANTI-HUMAN TRAFFICKING AFFIDAVIT

Rev Date: 01/13/2025

The undersigned, on behalf of R.J. Behar & Company, Inc.
(Print complete name incorporated with suffix: INC, LLC, LTD, LP, PA, etc.)
a Florida (*State corporation is registered*) for profit (Type of entity: profit or non-profit), ("Nongovernmental Entity"), under penalty of perjury, hereby deposes and says:

1. My name is Robert J. Behar, PE.
(Print complete name of corporate officer/authorized representative)
2. I am an ☑ officer or ☐ authorized representative (Select one) of the Nongovernmental Entity. My title is: President.
(Print title of corporate officer/authorized representative)
3. I attest that the Nongovernmental Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statute (2024), as may be amended or revised.

Under penalties of perjury, I declare that I have read the foregoing Anti-Human Trafficking Affidavit and that the facts stated in it are true.

Signature of Officer or Representative: _____

Office Address: 6861 SW 196 Avenue, Suite 302, Pembroke Pines, Florida 33332

Email Address: bbehar@rjbehar.com

Main Phone Number: 954-680-7771 FEIN No.: 65-0954070

STATE OF Florida
COUNTY OF Broward

Sworn to and subscribed before me by means of ☒ physical presence or ☐ online notarization, this 26 day of March, 2025, by Robert J. Behar.
(Print name of corporate officer/representative)

LIZANNA KADIR
MY COMMISSION #HH117266
EXPIRES: MAY 13, 2025
Bonded through 1st State Insurance

(NOTARY SEAL)

_____
(Signature of Notary Public – State of Florida)

Lizanna Kadir
Print, Type or Stamp Commissioned Name of Notary Public)

Personally Known ☑ OR Produced Identification ☐

Type of Identification Produced_____

QUESTIONNAIRE SHEET

PLEASE PRINT OR TYPE:

Firm Name: R.J. Behar & Company, Inc.

President Robert Behar

Business Address:

6861 SW 196th Ave., Suite 302 Pembroke Pines, Florida 33332

Telephone: 954-680-7771

Fax: 954-680-7781

E-Mail Address:

bbehar@rjbehar.com

What was the last project of this nature which you completed? Include the year, description, and contract value.

Palm Beach County Annual Structural Contract, 2004 - Ongoing, structural design, analysis, and review.

The following are named as three corporations and representatives of those corporations for which you have performed work similar to that required by this contract, and which the City may contact as your references (include addresses, telephone numbers and e-mail addresses). Include the project name, year, description, and contract value.

Please refer to the attached reference form

Olga Sanchez, EI, Morton Rose, PE

Luis Ochoa, P.E.

How many years has your organization been in business? 26

Have you ever failed to complete work awarded to you; if so, where and why?

RJ Behar has never failed to complete a project

The name of the qualifying agent for the firm and his position is: Robert J. Behar, PE / President

Certificate of Competency Number of Qualifying Agent: PE21755

Effective Date: 2/27/2025 Expiration Date: 2/28/2027

Licensed in: Florida

Engineering Contractor's License # CA8365

(County/State)

Expiration Date: 2/28/2027

All references shall include owner, address, contact name, phone number, email and the contract value. References shall not include the City of Fort Lauderdale. A minimum of three (3) references shall be provided. Refer to Section 2.8 Minimum Qualifications.

Note: Do not include proposed team members or parent/subsidiary companies as references in your submittals.

A. PROPOSERS NAME: _____

SPECIFIC EXPERIENCE NO.1

Name of firm to be contacted: _____

Address: _____

Contact Person: _____

Phone No: (___) _____

Contact E-Mail Address: _____

Project Performance Period: _____ to _____
Dates should be in mm/yy format

Project Name : _____

Location of Project: _____

Description of the overall scope:

_____

_____

_____

_____

Description of work that was self-performed by proposer:

_____

_____

_____

_____

Original Project Budget:_____ Project Final Cost:_____

SPECIFIC EXPERIENCE NO.2

Address: _____

Contact Person: _____

Phone No: (___) _____

Contact E-Mail Address: _____

Project Performance Period: _____ to _____
Dates should be in mm/yy format

Project Name : _____

Location of Project: _____

Description of the overall scope:

_____

_____

_____

_____

Description of work that was self-performed by Proposer:

_____

_____

_____

_____

Original Project Budget:_____ Project Final Cost:_____

SPECIFIC EXPERIENCE NO.3

Address: _____

Contact Person: _____

Phone No: (___) _____

Contact E-Mail Address: _____

Project Performance Period: _____ to _____
Dates should be in mm/yy format

Project Name : _____

Location of Project: _____

Description of the overall scope:

_____

_____

_____

_____

Description of work that was self-performed by Proposer:

_____

_____

_____

_____

Original Project Budget:_____ Project Final Cost:_____

NOTE: To be considered for award of this contract, the bidder must submit a financial statement upon request.

NOTE: Contractor must have proper licensing and shall provide copy of same with his proposal.

QUESTIONNAIRE SHEET

1. Have you personally inspected the proposed work and have you a complete plan for its performance?

   Yes

2. Will you sublet any part of this work? If so, list the portions or specialties of the work that you will.

a) Arehna Engineering: Geotechnical Services

b) Craig A. Smith: Survey, SUE Services

c) UESI - Underwater Inspections

d)

e)

f)

g)

3. What equipment do you own that is available for the work?

   Computers, Software, Inspection Equipment, ladders, safety harnesses.

4. What equipment will you purchase for the proposed work?

   No equipment will be purchased.

5. What equipment will you rent for the proposed work?

   Scissor lifts and/or bucket trucks will be rented on an as needed basis

State of Florida
Department of State

I certify from the records of this office that R.J. BEHAR & COMPANY, INC. is a corporation organized under the laws of the State of Florida, filed on October 4, 1999.

The document number of this corporation is P99000088184.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 2, 2025, and that its status is active.

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

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

Secretary of State

Tracking Number: 5409438407CC

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

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

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

BEHAR, ROBERT JOSE

12090 SW 26 CT
DAVIE FL 333300000

LICENSE NUMBER: PE21755

EXPIRATION DATE: FEBRUARY 28, 2027

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

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

Print

Licensee

Name:	**R.J. BEHAR & COMPANY, INC.**	License Number:	**8365**
Rank:	**Registry**	License Expiration Date:	
Primary Status:	**Current**	Original License Date:	**10/22/1999**

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
21755	Current, Active	BEHAR, ROBERT JOSE	Registry	02/19/2005	Professional Engineer	02/28/2027

Financial Stability Statement

RJ Behar has a sound financial base, has demonstrated financial stability, and possesses adequate physical resources to support our mission and the scope of services we provide. The financial base and stability of the company and our ability to provide adequate physical resources are reflected in RJ Behar's financial statements. Our "current ratio is approximately 1.84.

Our growth is 20% over the past 3 years. Over the past year, it is about 10% growth over last year's revenue at this time. RJ Behar's revenue is generated from providing professional consulting services to the State of Florida, Municipalities, Counties, as well as private clients. These funding sources are adequate to provide financial stability for our company. The stability of RJ Behar depends greatly on the CEO's ability to keep accurate records of past and current financial conditions. RJ Behar is a financially stable company with an impeccable track record since its inception in 1999. RJ Behar has never been involved in any prior or current bankruptcy proceedings.

Please find our audited financial statements immediately following this page.

Contact Person:

Greg Dover, PE

gdover@rjbehar.com

Tel: (954) 680-7771 / Fax: (954) 680-7781

6861 SW 196TH AVENUE, SUITE 302

PEMBROKE PINES, FLORIDA 33332

R.J.Behar & Company, Inc.

Engineers • Planners

CITY OF FORT LAUDERDALE

SWORN STATEMENT PURSUANT TO SECTION 287.087, FLORIDA STATUTES, ON PREFERENCE TO BUSINESS WITH DRUG-FREE WORK PLACE PROGRAMS

I certify that I have established a Drug Free Work Place program and have complied with the following

a. Published and distributed to each employee a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibitions.

b. Required all new employees to undergo laboratory testing as a condition of employment and will require all employees, as a condition of their continued employment, to undergo laboratory testing to detect illegal drug or alcohol use according to Florida Statutes 440.101 and 440.102.

c. Ensured that applicants with a confirmed positive drug or alcohol screening test result are not considered for employment.

d. Have tested employees when reasonably suspected of illegal drug or alcohol use.

e. Ensured that any employee refusing to take a drug or alcohol screening test in violation of the Drug Free Work Place Policy is subject to dismissal for failure to abide by the provisions of the Policy.

f. Informed employees about the dangers of drug abuse in the workplace, the business' policy of maintain a drug-free workplace, any available drug counseling, rehabilitation and employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.

g. In the statement specified in subparagraph a, notified the employees that, as a condition of their employment, the employee will abide by the terms of the statement and will notify their employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States of any state, for a violation occurring in the workplace no later than 5 days after such conviction.

h. Have required all employees to sign a copy of this statement of compliance acknowledging their understanding and agreeing to abide with the requirements of the Drug Work Place Policy.

i. Will impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.

j. Am making a good faith effort to continue to maintain a Drug Free Work Place through implementation of this document.

BY: _____ DATE: 6/30/2025

NAME (Printed) Robert Behar, PE TITLE: President

COMPANY NAME: R.J. Behar & Company, Inc.

Affix Company Seal