



City of Hollywood
Public Utilities
Vincent Morello, Director
2600 Hollywood Boulevard, Hollywood, FL 33020

[R.J. BEHAR & COMPANY, INC.] RESPONSE DOCUMENT REPORT
RFQ (CCNA Proj) No. RFQ-238-24-JJ

Design, Construction Management and Inspection Services for the Influent Pump Station Upgrade

RESPONSE DEADLINE: December 12, 2024 at 3:00 pm

Report Generated: Wednesday, September 3, 2025

R.J. Behar & Company, Inc. Response

CONTACT INFORMATION

Company:

R.J. Behar & Company, Inc.

Email:

dbehar@rjbehar.com

Contact:

Dereth Behar

Address:

6861 SW 196 Avenue
Suite 302
Pembroke Pines, FL 33332

Phone:

(954) 680-7771

Website:

www.rjbehar.com

Submission Date:

Dec 12, 2024 9:14 AM (Eastern Time)

ADDENDA CONFIRMATION

Addendum #1

Confirmed Oct 23, 2024 11:10 AM by Dereth Behar

Addendum #2

Confirmed Dec 10, 2024 10:02 AM by Dereth Behar

QUESTIONNAIRE

1. Upload Statement of Qualification*

Please upload your COMPLETE response, including any and all required forms listed in the solicitation and the corresponding attachments. Please exclude uploading any CONFIDENTIAL / PROPRIETARY information here.

- A. Table of Contents
- B. Executive Summary
- C. Firm's Qualification & Experience
- D. Organizational Profile and Project Team Qualifications
- E. Approach to Scope of Work
- F. References/Past Performances

Please refer to [#SUBMITTAL REQUIREMENTS](#) section, for details regarding the requirement of each section of the Statement of Qualification.

City_of_Hollywood_-_RFQ-238-24-JJ_-_RJ_Behar.pdf

2. Please upload any CONFIDENTIAL / PROPRIETARY information here (as applicable).

No response submitted

3. Required Forms and Acknowledgements

VENDOR REFERENCE FORM*

Please download the below documents, complete, and upload.

- [Vendor Reference Form \(1\).pdf](#)

TAB_G_-_REFERENCES.pdf

HOLD HARMLESS AND INDEMNITY CLAUSE *

I, an authorized representative, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney's fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.

Confirmed

NON-COLLUSION STATEMENT*

I, being first duly sworn, depose that:

- A. He/she is an authorized representative of the Company, the Proposer that has submitted the attached Proposal.
- B. He/she has been fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;
- C. Such Proposal is genuine and is not a collusion or sham Proposal;
- D. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contractor for which the attached Proposal has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought

by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices, profit or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and

E. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Confirmed

CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS*

The applicant certifies that it and its principals:

Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

Confirmed

DRUG-FREE WORKPLACE PROGRAM*

A. IDENTICAL TIE PROPOSALS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented

a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie proposals will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish 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 prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining 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.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the 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 or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. 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.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of these requirements.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Confirmed

SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY*

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of

the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood/Hollywood CRA policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City/CRA does business.

The State of Florida definition of "gifts" includes the following:

- Real property or its use,
- Tangible or intangible personal property, or its use,
- A preferential rate or terms on a debt, loan, goods, or services,
- Forgiveness of indebtedness,
- Transportation, lodging, or parking,
- Food or beverage,
- Membership dues,
- Entrance fees, admission fees, or tickets to events, performances, or facilities,
- Plants, flowers or floral arrangements
- Services provided by persons pursuant to a professional license or certificate.
- Other personal services for which a fee is normally charged by the person providing the services.
- Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

Confirmed

LIST OF SUBCONTRACTORS*

Please download the below documents, complete, and upload.

- [Form 14 - List of Subcontra...](#)

Form_14_-_List_of_Subcontractors.docx.pdf

CERTIFICATE OF INSURANCE*

See requirements in the [#SPECIAL TERMS AND CONDITIONS](#) section.

J.2_-_Certificates_of_Insurance.pdf

PROOF OF SUNBIZ REGISTRATION*

Enter company FEIN to be verified in Sunbiz

65-0954070

[Click to Verify](#) Value will be copied to clipboard

PROOF OF LICENSE - DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

Enter license number to be verified in Department of Business & Professional Regulation

CA8365

[Click to Verify](#) Value will be copied to clipboard

4. ACKNOWLEDGMENT AND SIGNATURE PAGE

IF CORPORATION - DATE INCORPORATED/ORGANIZED:*

10/4/1999

STATE INCORPORATED/ORGANIZED:*

Florida

REMITTANCE ADDRESS*

6861 SW 196 Avenue, Suite 302 Pembroke Pines, Florida 33332

BIDDER/PROPOSER'S AUTHORIZED REPRESENTATIVE'S TYPED FULL NAME*

Robert J. Behar, PE

IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.*

Confirmed

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.*

Confirmed

PROPOSAL FORM*

Please download the below documents, complete, and upload.

- [Proposal Form.docx](#)

Proposal_Form-Not_Applicable.pdf

5. SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

THIS FORM STATEMENT IS SUBMITTED TO THE CITY OF HOLLYWOOD BY:*

(Print individual's name and title) (Print name of entity submitting sworn statement)

Robert J. Behar, PE / President

SWORN STATEMENT CONTINUATION:*

Enter business address:

6861 SW 196 Avenue, Suite 302 Pembroke Pines, Florida 33332

SWORN STATEMENT CONTINUATION:*

Enter Federal Employer Identification Number (FEIN) is:

If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

65-0954070

SWORN STATEMENT CONTINUATION:*

I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

Confirmed

SWORN STATEMENT CONTINUATION:*

I understand that "Affiliate," as defined in paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime, or
2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees,

members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a *prima facie* case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

Confirmed

SWORN STATEMENT CONTINUATION:*

I understand that "person," as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity.

The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity

Confirmed

SWORN STATEMENT CONTINUATION:*

Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

SWORN STATEMENT CONFIRMATION*

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER
FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC
ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR
YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT
PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD
AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF
ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

Confirmed

FORM 1

SUBMITTAL CHECKLIST FORM

The items below are required components of your solicitation response in order for your bid/proposal/submittal to be considered responsive and responsible. Please complete and submit this submittal checklist form as the cover page of your submittal with all of the items below in the order listed.

Please indicate Yes or No in the "Submitted (Yes/No)" column below to indicate which required components were provided with your submittal.

| Submitted (Yes/No) | Required Bid Components |
|---|---|
| Yes | This Submittal Checklist Form completed and included as the cover page of your submittal. |
| Yes | A Table of Contents that clearly identifies each section and page number of your submittal. |
| Yes | Information and/or documentation that addresses and/or meets the requirements outlined in Section III – Scope of Work/Services, including any procedural or technical enhancements/innovations which do not materially deviate from the objectives or required content of the Scope of Work/Services. |
| Yes | Forms (Completed) Form 1 Submittal Checklist Form* Form 2 Acknowledgement and Signature Page Form 3 Bid Form* Form 4 Vendor Reference Form* Form 5 Hold Harmless and Indemnity Clause Form 6 Non-Collusion Affidavit Form 7 Sworn Statement...Public Entity Crimes Form 8 Certifications Regarding Debarment... Form 9 Drug-Free Workplace Program Form 10 Solicitation, Giving, and Acceptance... Form 11 W-9 (Request for Taxpayer Identification) |
| Yes | Certificate(s) of insurance that meet the requirements of Section 2.17 |
| Yes | Proof of State of Florida Sunbiz Registration |
| This checklist is only a guide, please read the entire solicitation to ensure that your submission includes all required information and documentation. | |

December 12, 2024

CITY OF
Hollywood
FLORIDA

Request for Qualifications

RFQ- 238-24-JJ

**DESIGN, CONSTRUCTION
MANAGEMENT AND INSPECTION
SERVICES FOR THE INFLUENT PUMP
STATION UPGRADE**

Submitted by:



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



Jean Joinville
Senior Purchasing Agent
Procurement and Contract Compliance
City of Hollywood
2600 Hollywood Blvd., Rm 303
Hollywood, FL 33020

RE: Request for Qualification RFQ-238-24-JJ – Design, Construction Management and Inspection Services for the Influent Pump Station Upgrade

Dear Mr. Joinville:

RJ Behar & Company, Inc. (RJ Behar) is pleased to submit one digital PDF copy via OpenGov Procurement of the complete package of this Request for Qualifications to provide Design and Construction Management and Inspection Services for the Influent Pump Station Upgrade. We are complementing our team with the addition of **Cardozo Engineering, Inc.** who will provide Mechanical Engineering Services, **Tierra South Florida, Inc. d/b/a TSFGeo**, who will be responsible for Geotechnical Engineering and Materials Testing Services, and **WGI Inc.** who will provide survey services and subsurface utility services as needed and architectural services, if required. We have worked with these firms in the past and have developed great working relationships.

OFFICE LOCATION RESPONSIBLE FOR PROJECT

Our office, located at 6861 SW 196th Avenue, Suite 302, Pembroke Pines, Florida 33332, will be responsible for this contract. The contact person/project manager for all services on this contract will be Mr. Jossmel Cruz-García, PE, who can be reached at (954) 680-7771 and e-mail: jcruzgarcia@rjbehar.com.

PERSONALIZED SERVICE

Our business model is based on the principles of responsiveness and quality service. **RJ Behar** is proud of our track record of meeting or exceeding project schedules, a fact supported by our excellent performance evaluations and client references. Due to our experience in municipal engineering, we can work as an extension of our client's staff. Another reason for our success is the technical competence of our staff and their shared commitment to quality.

COMMITMENT TO QUALITY CONTROL

RJ Behar has a detailed system of checks and back-checks to ensure that our services, plans, and practices reflect the highest standard of design and engineering standards. As president, I personally assure the overall successful completion, in terms of responsiveness, quality, timeliness, and budget. For the team, I enthusiastically offer this proposal and look forward to a continued favorable relationship between the **City of Hollywood** and **RJ Behar**.

Finally, the **City of Hollywood** can always expect from **RJ Behar** 1) undivided attention to quality control, 2) sensitivity to schedules and budgets, 3) priority services, and 4) a team with extensive relevant experience.

RJ BEHAR & COMPANY, INC.

Sincerely,

Robert J. Behar, PE
President

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R.J.Behar

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TAB B:

Executive Summary



R.J.Behar

TAB B – Executive Summary

BUSINESS ENTITY & COMPANY BACKGROUND: **R.J. Behar & Company, Inc. (RJ Behar)**

was founded in 1999 as a Corporation in Florida to provide consulting engineering services to public sector clients. Our firm has grown during that time to 36 employees. Our steady growth has been based on providing quality service with a client service-oriented approach. Our philosophy is based on the following principles:

Integrity – Guided by the principles of integrity and honesty, we strive to be fair with our clients, while providing a product meeting the standards of our profession.

Experience – For more than 70 years of combined professional practice, **RJ Behar's** Principals have provided their knowledge to meet client expectations and have delivered several award-winning projects.

Innovation – **RJ Behar** helps clients create cost effective projects, with the design of innovative solutions.

Quality – Delivering quality infrastructure projects is measured by the final product, but it is also attested by repeat clientele. Many of our clients have continually selected **RJ Behar** time and again to complete their new projects.

RJ BEHAR OFFICES:

| Headquarters – Office Responsible | 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 |

Officers/Principals: Robert J. Behar, PE – President/CEO/Treasurer; Paola Riveros, PE – Vice President; Dereth Behar – Vice President/Corporate Secretary

Primary Contact: Jossmel Cruz-García, PE; 954-680-7771 ext. 246 **E-mail:** jcruzgarcia@rjbehar.com

Supervisory Staff and Key Elements:

JOSSMEL CRUZ GARCÍA, PE (PEMBROKE PINES OFFICE) is a Civil Engineer with a master's degree in structural engineering. His design experience includes water control and water resources structures, vertical structures; mast arms analysis, calculations and design; concrete barriers; bridge structures; also, water structural inspections, and engineering during construction.

HANS MURZI, PE, CFM (PEMBROKE PINES OFFICE) is a water resources engineer with extensive experience including stormwater master planning, hydrologic and hydraulic analysis, and modeling of rivers and flood control systems, natural resources restoration projects and watershed management. He is a Certified Floodplain Manager.

CARMELO RAMOS, PE (PEMBROKE PINES OFFICE) is a civil/electrical engineer with a master's degree in engineering management. His experience comprises planning, design, construction, alteration, maintenance, repairs and life cycle support of building assets. His experience includes the electrical design of pump/lift stations, water control structures.

NESTOR SANTANA, PE, (PEMBROKE PINES OFFICE) is a Senior Project Engineer. His civil engineer experience includes projects 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 provided cost estimates for roadway/streets projects, drainage, stormsewer and sanitary sewer systems, pump stations, and water control structures projects.

STACY SOOKDEW-SING (PEMBROKE PINES OFFICE) is a Project Administrator, Contract Support Specialist, Senior Resident Compliance Specialist, as well as a Public Information Officer and Inspector. She provides Administration Grant Assistance to the Town of Davie, and the Cities of West Palm Beach and Miami.

LOGAN FASANELLA (PEMBROKE PINES OFFICE) is a senior inspector, CTQP certified, his inspection experience includes roadway, drainage projects, making sure that contractor's work is being performed in accordance with the contract documents. He also is knowledgeable of the federal funding projects.

Please refer to **Tab D – Organizational Chart and Project Team Qualifications** for the organization chart and resumes with their responsibilities.



Key Elements of Scope of Work:

The City of Hollywood is seeking responses from qualified and experienced firms to provide design, permitting, construction management, and inspection services for the Influent Pump Station Upgrade for the City. The project consists of upgrading the South Regional Wastewater Treatment Plant (SRWWTP) Influent Pump Station.

RJ Behar will provide civil, structural, mechanical, electrical engineering design services required for the improvements and rehabilitation of the pump station, wet well, flow split, and pump room, also the design for the mechanical, electrical, instrumentation, and HVAC equipment, the expansion/new building for Variable Frequency Drive (VFD) facilities; also included is the evaluation and rehabilitation of 72" pipe/split box between bar screen/grit chamber and influent pump station. In addition, the City is planning to expand the Electric/VFD building and new pump technology is expected to be reviewed as part of the Basis of Design Report to include as part of the consulting services. The services include permitting, construction management and inspection services and grant management or state resource funds.

RJ Behar understands low elevation areas, vulnerable or prompt to be affected by hurricane force winds and torrential rains. South Florida Water Management District (SFWMD) hired **RJ Behar** to conduct a survey and compile flood hazard identification so that the District could perform an assessment and evaluate the flood hazard identification of 123 NFIP communities. To meet this objective, **RJ Behar** prepared a work plan for the completion of the project, conducted the questionnaire survey gathering the pertinent information, prepared summaries of the information for the communities, periodically provided electronic files of the completed forms to the District and provided a final report summarizing the findings of the assessment. In some of our projects we have implemented design improvements by adjusting the tailwater elevations of our hydrologic models and increasing the water table elevations using the Regional Climate Action Plan projections.

Grant Management Experience

RJ Behar has municipal experience assisting with grant funding, grant applications for Community Development Block Grant (CDBG), State of Florida Local Programs, FDOT LAP Assistance, American Rescue Plan Act (ARPA), Federal Emergency Management Agency (FEMA) and State Resilience Grants along with the various reporting requirements associated with these Grants.

RJ Behar has assembled a team who can provide all the required specializations needed to provide design, construction management engineering and inspection services for this contract. Mr. Robert Behar, PE, Principal in Charge, possesses vast experience in the planning, design and management of civil and transportation projects nationwide. He has worked on projects for many municipalities throughout South Florida. He is **RJ Behar's** President and oversees the firm's full operation. Mr. Behar has over 47 years of experience. Our goals for these types of contracts are the following: *Respond quickly to requests for information (RFIs), Work as an extension of the City's Staff with a service-oriented approach, Provide sufficient staff to be able to adhere to the schedule required by the City, Adhere strictly to the budget; and Conduct in-house quality control reviews of all deliverables to eliminate potential construction claims or delays.* Please refer to Tab E for a detailed description of our approach to the scope of work.

Value of Past Contract Awards by the City in the last 5 years

During the last 5 Years, RJ Behar has been awarded with the following contracts, providing consulting engineering services:

Beverly Park Sidewalk CEI – FDOT LAP 2024 – Ongoing

Hollywood Beach Heights Sidewalk CEI – FDOT LAP 2024 – Ongoing

Colbert Elementary School SRTS - Resident Compliance Specialist – FDOT LAP 2019 – 2021

This proposal is made without collusion with any other person(s), company or parties submitting a proposal; is in all respects fair and in good faith, without collusion or fraud; and the signer of the proposal has full authority to bind the principal proposer.

Our Company's Principals combined have been providing engineering services to the public and private sector for more than 70 years and look forward to working with the City of Hollywood on this Contract.



TAB C:

Firm Qualifications and Experience

- a. Firm Qualifications and Experience
- b. Project Experience
- c. Licenses and Certifications



R.J.Behar

TAB C – Firm's Qualifications and Experience

a. Firm's Qualifications

Driven by the understanding that there are better ways to do things and the desire to have the autonomy to do them, **RJ Behar's** Principals decided to start this new venture that is now over 25 years old. **RJ Behar** was established in 1999 and is now an award-winning consulting firm, with a very wide range of expertise and qualifications. Our mission was directed to understand our client's needs, apply 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, as such we recognize the need to satisfy our clients. **RJ Behar** has been providing pump station design and inspection services to Cities, Counties, South Florida Water Management District, Broward County Water and Wastewater Services since 2002.

RJ Behar is a minority owned S-Corporation firm registered in the State of Florida, currently certified as a Minority Business Enterprise (MBE), Small Business Enterprise (SBE) and a Disadvantaged Business Enterprise (DBE) with the State of Florida, Florida Department of Transportation (FDOT), County Governments, and the South Florida Water Management District (SFWMD). Please see within this section copies of corresponding Certifications and Licenses.

RJ Behar Supervisory Staff and Key Participants:

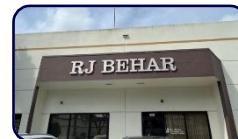
We have a team of seasoned professionals with supporting staff members and subconsultants to undertake any assignment. **RJ Behar** has successfully completed similar professional consulting services contracts for various government agencies. On staff, we have 13 Professional Engineers, 3 Engineer Interns, 8 CTQP certified Construction Engineering Inspectors, with a total of 36 employees available to assist the City - Please refer to Tab D of the proposal for the organization chart and resumes.

RJ Behar employees per department:

| DEPARTMENT | NO. OF STAFF | DEPARTMENT | NO. OF STAFF |
|----------------------------------|--------------|-------------------------|--------------|
| Administrative | 5 | Transportation Engineer | 4 |
| CADD Technician | 2 | Electric Engineer | 1 |
| Civil Engineer | 4 | Planner: Urban/Regional | 1 |
| Hydrologist | 1 | Construction Manager | 1 |
| Water Resources Engineer | 3 | Construction Inspector | 7 |
| Environmental Inspector Engineer | 1 | Cost Estimating | 1 |
| Structural Engineer | 5 | | |
| Total: | | | 36 |

Office Locations – Proximity and Distance to the City:

RJ Behar's Pembroke Pines office will be responsible for this contract, our office is located 17 miles, approximately 30 minutes from the City of Hollywood's City Hall. Please refer to our executive summary in Tab B.



RJ Behar has developed an excellent reputation throughout South Florida for delivering high quality engineering services. We have consistently completed projects on time and within budget requirements. We obtain evaluations from FDOT projects in the range of 4.0 out of a maximum of 5.0 points. Another test of our ability to complete projects on time and within budget is repeat business. As an example, we have been in a continuous contract with the City of Hialeah for the last 24 years and with the SFWMD for 23 years.

Our main areas of specialization emanate from the following services:

- ❖ Civil Engineering
- ❖ Environmental and Water Resources
- Engineering
- ❖ Transportation and Traffic Engineering
- ❖ Structural Engineering
- ❖ Electrical Engineering
- ❖ Construction Management and Engineering Inspections

CIVIL ENGINEERING

RJ Behar has extensive experience in Civil and Site Engineering. We specialize in municipal and public agency clients. We



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understand the governmental engineering process, the bid process, contract administration and working with city commissions associated with municipal engineering. The key to providing a successful municipal engineering service includes being responsive, adapting to performing under short notice, learning to be an extension to the City's Staff, understanding 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.

We provide the design of paving, drainage, water distribution systems and sanitary sewer systems associated with land development projects. We are experienced in obtaining permits from the state agencies such as the Water Management Districts, Department of Environmental Protection, the FDOT, Health Department and numerous City and County agencies throughout South Florida. **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 (Parks) 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*

ENVIRONMENTAL AND WATER RESOURCES ENGINEERING

RJ Behar's services include Environmental Engineering, Water Resources and Stormwater Master Planning. We can provide environmental reports, monitoring, assessments, design, construction documents, permitting, and construction administration on any Environmental Project. We are experienced in obtaining permits from agencies such as the Water Management Districts, Local Drainage Districts, Department of Environmental Protection, the Army Corps of Engineers, the Florida Department of Transportation, Health Department and numerous City and County agencies throughout South Florida. **RJ Behar** has developed expertise in the areas of environmental engineering and water resources. Services in this area include:



- *Stormwater Pump Stations*
- *Stormwater Sewer Design*
- *Stormwater Master Planning*
- *Hydrologic-hydraulic and Watershed Modeling*
- *Phase I and II Site Assessments and Remediation Plans*
- *Wetland Mitigation Plans Design*
- *Sustainable Design LEED AP Certifications*
- *Bridge Hydraulics and Scour Analyses*
- *Injection Well Design*
- *Highway Drainage*
- *Sanitary Sewer Collection*
- *NPDES Permitting for Construction Activities and MS4 Assistance*
- *Preparation of Spill Control and Countermeasure Plans (SPCC)*
- *Gates/Culverts/Spillways Design*
- *Environmental Permitting*
- *Water Quality Modeling*
- *FEMA Assistance*
- *Environmental Permitting*
- *Preparation of environmental documents for NEPA compliance*
- *Dewatering Plans*

We have considerable expertise in water resources. Our staff has developed expertise 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.



RJ Behar has worked on several significant projects in the City of Hallandale Beach such as the *Stormwater Drainage Improvements for Chaves Lake and I-95*; the services included a Hydrologic/Hydraulic study, installation of groundwater monitoring wells, stormwater master plan, and flood control study and implementation plan.



FEMA Mitigation Pump Station
 Hallandale Beach, Florida

We 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** is currently assisting the City of North Miami with an update to the Citywide Stormwater Management Master Plan.

Project experience in water resources includes:

- Stormwater Consultant for the City of Hallandale Beach
- City of Hialeah Mulching Pit Solid Waste Permit and Groundwater Monitoring Plan
- Stormwater Pollution Prevention Plan for I 95 Pump Station project
- City of Miramar Citywide Canal Assessment
- Hillcrest Golf Course Drainage Study
- I-595 Improvement Project Drainage Design
- Stormwater Consultant for the City of Hallandale Beach
- Maintenance Dredging Evaluation C-16 Canal
- Lake Chaves and I-95 flood study
- Hillcrest Golf Course Drainage Study
- NW 5th Street Bridge Hydraulic Report
- I-595 Improvement Project Drainage Design



**MS4 NPDES Stormwater
 Assessment, City of Hialeah**

Water & Sewer Design

In the area of water distribution and wastewater collection, we have extensive expertise. We provided 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 (BODR), 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.

Other projects include:

- UAZ Zone 303 for the Broward County Water and Wastewater Services Department.
- Sistrunk Boulevard Water Main relocation for the City of Fort Lauderdale.
- Shady Banks Septic Tank Area 5 conversion to sanitary collection.
- SE 3rd Street between Martin Luther King, Jr. Boulevard and G Avenue, Belle Glade, Palm Beach County, Florida. This was a Design-Build contract with water and sewer relocations.
- Copans Road Waterwater System new Transmission System and Existing System Rehabilitation



Pump Stations

Our experience with pump stations includes both sanitary pump stations and stormwater pump stations. For the SFWMD, we have 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 (USACE) 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.

RJ Behar completed the structural design and structural plans for a new 250 cfs Pump Station on the south side of the C-23 Canal as part of the C-23 Estuary Discharge Diversion project for the SFWMD.

Familiarity with Permitting Agencies

Our experience with permitting includes all types of projects. In our A1A project for the FDOT, as an example, we had to permit the project with the FDEP and the USACE. The project was inside the coastal construction control line (CCCL) 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 is currently serving as one of two firms who serve as District Drainage Engineers (DDE) for the Central Water Control District. As DDE, **RJ Behar** reviews 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. We also provide 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. **RJ Behar** also participates in the District Board Meetings as representative to the District.



We permitted the 5th Street Bridge Replacement over the Miami Canal. We prepared the entire fill and dredge permit plans that included work in the navigation channel, seawall construction and outfall retrofits. **RJ Behar** also completed the permitting of the new Northlake Bridge over the Loxahatchee Slough in Palm Beach County. The project included work in very sensitive wetlands for construction of berms, a new weir, and canoe facilities.



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 large pump station and 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.



Deering Estates Flow-way

TRANSPORTATION AND TRAFFIC ENGINEERING

Transportation Engineering was the foundation of **RJ Behar**. In approaching all transportation planning projects.

RJ Behar integrates 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 increase 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*



SW 136th Street – Shared Use Path Design

RJ Behar began as a roadway design firm. Our primary expertise is roadway design and most of our other areas of expertise came by way of this or by supplementing our roadway design capabilities. Our comprehensive roadway design experience and expertise includes *Roadway Plans, Traffic Studies, Signal Design, Pavement, Marking & Signing Design, Traffic Control Plans, Lighting Plans, Drainage & Permitting, Utility Relocation Plans and Public Involvement*. We are certified by FDOT for Minor, Major and Controlled Access Highway Design.

Our staff has extensive experience including the design of major arterial and expressway roadways such as:

- *SR 845/Powerline Road, Boca Raton (FDOT D4)*
- *Atlantic Boulevard/Rock Island Road, Margate*
- *US-1/SR-5, St. Lucie County (FDOT D4)*
- *SR-A1A in Palm Beach County (FDOT D4)*
- *Andrews Avenue, Pompano Beach (FDOT D4)*
- *SR 907/Alton Road, Miami Beach (FDOT D6)*
- *Turnpike Widening, Broward County (FTE)*



**NW 146th St/N. Miami Avenue/S.
 River Drive Roundabout**

We also have extensive roadway design experience on local city streets such as NW 44th Street in Lauderdale Lakes, E. Palomino Drive and S.W. 62nd Court in the Town of Southwest Ranches, Bayshore Drive in Miami, N.W. 13th Street and N.E.



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15th Avenue in Fort Lauderdale, and 19 miles of street resurfacing in the City of Tamarac. We have also completed more than 50 miles of street improvements for the City of Hialeah.

Traffic Planning

RJ Behar has developed expertise in the Transportation Planning and Traffic Engineering field. We are very familiar with the Manual of Uniform Traffic Control Devices (MUTCD), The Florida Greenbook (voting member), FDOT Standards, American Association of State Highway and Transportation Officials (AASHTO).

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, which 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, StarNext, PETRAPro, and TCU.

Street Lighting

Many of our roadway projects include street lighting, **RJ Behar** has provided roadway lighting design, roadway lighting photometric analysis to confirm which of the configurations would be sufficient or type of luminaries would be the most adequate. The appropriate design and location of street lighting in many of roadway/streets projects becomes and safety asset not only for vehicles driving the area but for bicyclists, and pedestrians as well. Many aspects come in consideration for streets lighting: the distance in between light poles, type of lights, visibility and location. *For the City of Lauderhill, SR-7/US-441 Roadway Lighting and NW 11th Pedestrian Lighting Improvements, FDOT District 4; LAP Project.* **RJ Behar** performed design, quality assurance reviews of the plans, permitting and coordination with the respective agencies.



STRUCTURAL ENGINEERING

Our in-house structural design capabilities enable us to provide complete design services for our clients. Our structural design capabilities include:

- Bridge Design (minor and major bridges; new bridges and widening)
- Bridge Repairs and Complete Rehabilitation (Minor, major and bascule bridges)
- Bridge Inspections (Minor, major and bascule bridges)
- Pedestrian Bridges
- Box Culvert and Special Drainage Structure Designs
- Mast Arm Design for traffic signals
- Retaining Wall Systems
- Overhead Sign Structures
- Water Control and Pump Station Structures
- Recreational Structures
- Retaining Walls (Permanent and Temporary)
- Fender Systems

Structural Plans Review is also among our services. For example, **RJ Behar** provided these services to the City of Lauderhill. Several projects were reviewed and commented on under that 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**, in the **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 and technical specifications. **RJ Behar** also assisted with the grant preparation. Our experience includes miles of sheet pile walls of different types along canals, for water control structures and boat launching ramps.

RJ Behar has provided services to Palm Beach County (PBC) under our Annual Structures Contract for the past 20 years.



Under that contract we have reviewed plans, designed bridge replacements and several miscellaneous structural assignments. We have made many very useful review comments on these projects and has effectively coordinated with PBC and the design firms. We have provided cost effective plans for these small projects using photos with comments and sketches. **RJ Behar** also provided important construction inspections at Calypso Bay. Our structural projects included:

- *Hatton Highway Bridge Replacement over the Pahokee Water Control District's Canal No. 2 – Palm Beach County*
- *Coral Gables Court House – City of Coral Gables*
- *Miramar Town Center – City of Miramar*
- *Naples Grand Hotel Sauna Building – Naples Grand Hotel*
- *5th Street Fire Station Mezzanine – Miami-Dade County*
- *Crandon Park Marina – Miami-Dade County*

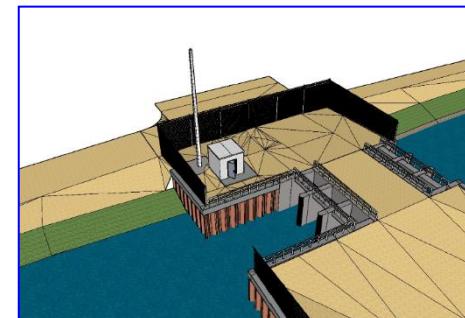
RJ Behar provided structural design plans for McDonald Park Pedestrian Bridge, City of Hialeah, Florida. Services included project management, plans preparation, structural engineering, contract documents, permitting, shop drawing reviews, utility coordination and contract specifications services.

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. We are currently providing design services at the Dewey Hawkins Landing Boat Ramp and Kayak Launch for the City of Oakland Park and City of Miami Beach Bandshell site.

Our services include design of Miscellaneous Structures (FDOT Category 4.1.1) for the Florida Department of Transportation, County and municipal clients. These have included mast arm evaluations and foundations such as Mast Arm Signal design services at nineteen 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 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:

- S-5A Boat Ramp, kiosks, board walk, and sheep piling system
- S5A Pump Station Intake Bridge Repairs
- S61, S66, S65A and S65D Lock Rehabilitations
- S40, S41 and S44 Gate Replacements and Concrete Repairs
- Cypress Weir No 1 Replacement
- S135 By-Pass Culvert Abandonment
- S-31, S-33, G-36 Navigation Lock Hoist Upgrades
- A1A/Carlin Park Bridge Replacement – Palm Beach Co.
- Kirk Road Bridge over LWDD L-9 – Palm Beach Co.



Cypress Weir Replacement

ELECTRICAL AND MECHANICAL 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



S-310 Navigation Lock Rehabilitation



weirs as part of the Structure Inspection Program (SIP) for the SFWMD. The inspection reports also included estimates of costs for the repairs.

Mr. Carmelo Ramos, PE, RJ Behar's electrical engineer, who provided electrical design for the replacement of one old stormwater pump station (**Hook Square Pump House Replacement**) 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. 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*
- *Copans Road Wastewater Transmission System New Magnetic Flow Meter*
- *West Avenue/Bay Road Neighborhood Stormwater Pump Station, City of Miami Beach*
- *I-75W2 Control Structure Electrical and Mechanical Design, SFWMD*
- *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*



Hook Square Pump Station Rehabilitation

CONSTRUCTION ENGINEERING AND INSPECTIONS

RJ Behar is certified by FDOT in Construction Engineering Inspections Services and has provided services on a general construction management contract with the SFWMD. We offer a full range of construction engineering services. These services range 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 CTPQ certified with the FDOT. They are familiar with all the required contract provisions for construction contracts including all monitoring and reporting requirements, contract, and project billing documentation. We provide both infrastructure inspection as well as building inspection services. Our construction management team includes licensed Threshold Inspectors. We also offer resident compliance specialist services, reviewing Davis-Bacon wage rate verification, including field interviews, job-site interviews.



Area West of US-1
 Drainage Improvements &
 Construction Management

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 has provided construction inspection services under continuous basis contracts to the Cities of Lauderdale Lakes, Fort Lauderdale, Coral Springs, Greenacres, Hialeah, Palm Beach County, and the SFWMD. Some of our projects include:

- *S-332 Pump Station Hardening, SFWMD*
- *S-13 Pump Station Repower and Automation, SFWMD*
- *S-197 Structure Replacement, SFWMD*
- *Dillman Trail from Forest Hill Boulevard to Dillman Road – LAP/FDOT D4, City of Greenacres*
- *South Royal Poinciana Stormwater & Roadway Improvement Project, City of Miami Springs*
- *Citywide Pedestrian Safety Project, City of Dania Beach/FDOT/FHWA*



Lauderdale Lakes Library - CMS



- Citywide Resurfacing Inspection, City of Coral Springs
- N.W. 43rd Avenue/ City Hall Parking Lot, City of Lauderdale Lakes
- Arch Creek Bike Path Pedestrian Bridge Replacement, City of North Miami
- NW 97th Avenue Construction Management, City of Hialeah

Some of our projects have received awards or have been featured in Magazines such as the Engineering News Record. One example is the S-65E Weir across the Kissimmee River. The construction contract consisted of providing all labor, materials, and equipment necessary to construct a weir/spillway across the Kissimmee River downstream of structure



S-65E and upstream of the confluence with Lake Okeechobee as described in the drawings and specifications. It also included repair of a scour hole using riprap downstream of structures S-65, which included sheet pile cofferdams, sheet pile wing walls, bank and shore riprap, excavation and embankment, and concrete construction. **RJ Behar** provided full CMS services on this project. **RJ Behar** was contracted by the City of North Miami to perform Construction Engineering Inspection for the **Replacement of Downtown North Miami Brick Pavers** project.

This project was federally funded by the **American Recovery & Reinvestment Act (ARRA)**. **RJ Behar's** responsibilities included ensuring strict compliance with all Federal ARRA Regulations, performing all of construction engineering inspections, performing sampling and testing of the materials furnished, and overseeing all of the work performed by the contractor.



**Vanderbilt Office Property
25 Year Inspection**

Threshold Inspections are performed on a building 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 Certifications:

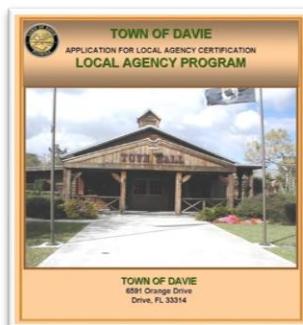
- *40 Year Certification of 7960 Johnson Street, Pembroke Pines*
- *40 Year Certification of 225 Washington Avenue, Miami Beach*



Spanish River Athletic Facility

PUBLIC SECTOR ENGINEERING/GRANT EXPERIENCE AND FUNDING ASSISTANCE

RJ Behar has extensive knowledge of public sector engineering. We provide assistance in the preparation of State and Federal grant applications as well as the reporting requirements associated with the program management of different types of grants. **RJ Behar** has provided funding assistance to the City of Lauderdale Lakes, the Town of Southwest Ranches, Town of Davie, Town of Medley, City of Miramar, among others. We have assisted in obtaining FDOT Local Agency Program (LAP) certifications. As an example, we assisted the Town of Davie in obtaining FDOT certification for LAP funding for town capital projects. **RJ Behar** prepared all the required FDOT documents for certification and coordinated with FDOT's LAP administrator as well as assisted the Town Council and Town Administrator during the certification process.



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We assisted the Town of Southwest Ranches in obtaining funding for the construction of the Stirling Road Loop Multipurpose Trail. The funding was obtained from the Metropolitan Planning Organization (MPO) and coordinated through FDOT and Broward County. The Town was awarded approximately \$500,000 for this project.

Currently, we are assisting the City of Miami in providing 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.

COMPANY EXPERIENCE WITH COMMUNITY DEVELOPMENT BLOCK GRANTS (CDBG) PROJECTS

RJ Behar has extensive experience working on Community Development Block Grant (CDBG) projects. We have completed several projects and have continued working on other projects. We are very familiar with the requirements for these projects. 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:

- 43 Year CDBG Improvements NW 2nd Avenue from NW 4th Street to NW 5th Street – City of Hallandale Beach
- 48 Year CDBG Improvements, 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

BIDDING SERVICES

RJ Behar has provided bidding on numerous municipal design projects, including several CDBG 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 check on the successful bidder*

LOCAL AGENCY PROGRAM (LAP)

During the **last fifteen years, RJ Behar has successfully completed 121 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 to bring this project to a successful completion. We feel that this experience allows us to integrate multiple disciplines together and streamline our project staffing needs such that several individuals may function in a variety of roles - complementing and supplementing one another, thereby allowing us to reduce the overall number of project personnel needed, while still effectively managing the needs of the project for the City, and thus offering an added value of project savings to our client.



TAB C – Firm Qualifications and Experience

Pump Stations

RJ Behar's experience with pump stations includes both sanitary pump stations and stormwater pump stations. For the SFWMD, we have inspected more than 20 large pump stations. These inspections included all the components including civil/site, structural, mechanical and electrical systems. The inspection reports also included cost estimates of the necessary repairs and rehabilitation.

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, structural components and construction management.

Following is a list of pump station projects that **RJ Behar** has provided services.

Typical Codes and Standards required for Construction: **PUMP STATION Project**

- **PBC Chapter 4 – Minimum Design & Construction Standards**
- **Florida Building Code 2004 Edition**
- **National Fire Code – NFPA latest Edition, applicable portions**
- **Life Safety code, NFPA 101, latest Edition**
- **Unified Facilities Criteria (UFC)**
- **National Electric Code (NEC)**
- **American with Disabilities Act Accessible Guidelines for Buildings and Facilities**
- **National Electrical Manufacturers Association (NEMA)**
- **ASTM A48 (Gray Iron Castings)**
- **Occupational Safety and Health Administration – 29CFR**
- **Approved Materials and Equipment List**
- **Hydraulics Institute Standards**

| CATEGORY | CLIENT / PROJECT / YEAR | SERVICES |
|---------------|--|--|
| Pump Stations | Broward County Water and Wastewater Services / Utility Zone 303 / 2012 | Rehabilitation and Replacement of 2 sanitary lift stations. RJ Behar prepared the Basis of Design Report for rehabilitation of the 2 stations and designed the rehabilitation of one of the stations utilizing the existing wet well (relined) and replacing all the mechanical and electrical systems. |
| | Fort Lauderdale / Pump Station D-36 Structural Rehabilitation / Under Construction | Structural Inspection and Rehabilitation. 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. |
| | City of Miami / Riverview Pump Station New Generator, Fire Suppressant and Main Switch Disconnect / Under Construction | The scope of services consisted of engineering services for the replacement of the Riverview Pump Station Generator and pumps interconnection in the City of Miami. Services included project management, structural and electrical design, cost estimates, and specifications. |
| | Hallandale Beach / FEMA Flood Mitigation Pump Station / 2004 | Complete design including site, structural, electrical and mechanical of a Flygt submersible pump station for flood control. Designed the connection to the City Emergency Generator system. |
| | SFWMD / S-5A Intake Service Bridge Repairs / 2011 | Replaced Pump Bell Supports, Replaced Bridge Grating, Replace Concrete Superstructure, Repair Bar Screens, and Miscellaneous repairs. |



| CATEGORY | CLIENT / PROJECT / YEAR | SERVICES |
|----------|--|--|
| | SFWMD / North Shore Trash Rakes Project (4 pump stations) / 2011 | Designed the structural supports for the trash rakes and concrete bins to store the trash; designed steel sheet pile walls; designed fall protection systems for these 4 pump stations including mast davits and ladder support systems. Design the upgrade of the existing bar screens to stainless steel, retrofitted stop log support slots and designed stop logs. We designed fuel tanker containment slabs to contain fuel that is spilled while trucks refill the fuel tanks at the pump station and designed new handrails and gates. |
| | City of Miami Beach / West Ave-Bay Road Improvements / 2007 | Complete design including site, structural, electrical and mechanical of a Flygt submersible pump station for flood control using 2 injection wells. |
| | Modern Continental South / Pump Station 362 / 2002 | RJ Behar performed services during construction, which included the structural evaluation of Pump Station 362, Trash Rake Monorail Foundation Loading to verify the adequacy of Pit Wall design and its reinforcing and the type A supports. RJ Behar also designed an additional continuous wall footing for the monorail system and obtained permits for the proposed septic tank system. RJ Behar also obtained the Palm Beach County Health Department permit. |
| | City of Fort Lauderdale / Shady Banks Septic Area 5 / 2008 | The project included approximately 21,150 linear feet of gravity sewers, 750 feet of forced mains, a sanitary sewer pump station and 8,000 feet of water line relocation. RJ Behar designed the site and grading for the pump station addressing neighborhood aesthetic concerns. |
| | Broward College Building 6 Expansion / 2010 | The design included a sanitary lift station with dual Flygt submersible pumps and RJ Behar performed all the hydraulic calculations, plans and electrical control design. |
| | Town of Davie / Old Davie School Improvements / 2012 | The design included a sanitary lift station with dual Flygt submersible pumps and RJ Behar performed all the hydraulic calculations, plans and electrical control design. |
| | SFWMD / Pump Station S-13 Repower and Automation / 2016 | Pump Station S-13 was a 60-year-old structure located within the C 11 Canal just east of the Florida Turnpike and west of US-441 in the Town of Davie. RJ Behar provided construction management services and material testing services in support of the construction activities for the rehabilitation of the station. The project also included the construction of a new CBS generator building, a prefabricated concrete trash rake control building, and a debris storage bin. Additionally, the project included the installation of a new electrical system, including new service, motor control center, emergency generators, transfer switches, panels, and RTU and owner-furnished engine and station control centers. |
| | SFWMD / S-331 Pump Station Hardening / 2011 | Provided construction management services for the hardening of Pump Station S-331. The project involves the hurricane hardening of the pump house to include demolition and repair work, reinforced grout/concrete/structural steel strengthening of existing concrete masonry walls, reroofing, personnel/overhead door replacements, miscellaneous metal and louver work with sealing/caulking and exterior coating/refinishing work. |

| CATEGORY | CLIENT / PROJECT / YEAR | SERVICES |
|----------|--|--|
| | SFWMD / Deering Estates Flow-way / 2012 | Provided construction management services for a large pump station building construction. |
| | SFWMD / S-332D Pump Station Hardening / 2010 | Provided construction management services for the hardening of Pump Station S-332D. The project involved the hurricane hardening of the pump house and the installation of bullet-proofing for the walls, roof and roofing system, exterior doors, louvers, HVAC upgrades and protective opening hoods. The scope also includes new weather-proof roof-mounted equipment access hatches, an OSHA safety ladder and roof perimeter safety railings and overall exterior repainting of the pump house walls and supporting exterior concrete foundations |
| | SFWMD / Compartment C / 2011 | Construction management services, in particular Office Engineer and the Electrical Inspector, who worked on the inspection of all electrical components for 20 water flow control gates and one Hydration Pump Station. The work included inspection of electrical panels, motors, controls, lighting, remote control equipment (RTU), Motor Control Centers (MCC) and Pump controls. |
| | SFWMD / G420, G422 and S-26 Roof Replacement / 2011 | The scope of this project consisted of providing construction management services for roof replacement work at structures G-420, G-422 and S-26 in north central Miami-Dade County. The project work consisted of new roofing systems, structural repairs and providing roof accessibility to three (3) buildings: Pump Stations G420, G422 and S26. |
| | FDOT / Alton Road Improvements / 2002 | Designed 14 stormwater pump stations using dual Flygt submersible pumps connected to 28 injection wells using underground dry pits, pollution control structures with bar screens and underground valve boxes. The pumps were rated at an approx. flow of 3,000 gpm each. RJ Behar designed the civil, electrical, mechanical systems and all the piping and appurtenances. |
| | City of Miami Beach / Nautilus and La Gorce Neighborhoods / 2008 | Designed 2 stormwater pump stations using dual and triple Flygt submersible pumps connected to injection wells using underground dry pits, pollution control structures with bar screens and underground valve boxes. One lift station had 3 – 90 HP pumps (24,000 gpm total flow) and the other had 2 - 60 HP pumps (14,700 gpm total flow). |
| | FDOT & Hallandale Beach / I-95 Pump Station / 2002 | Designed the site, grading and drainage for a 120 cfs pump station. Also prepared the Stormwater Pollution Prevention Plan. |

Following this page are some of our project description sheets.





COPANS ROAD
WASTEWATER TRANSMISSION SYSTEM REHABILITATION
CITY OF COCONUT CREEK, FLORIDA

CLIENT:

*City of Coconut Creek
5295 Johnson Road
Coconut Creek, Florida 33073*

*Robert McDonald, CGC
Project Manager
954-973-6786 Ext #1568
RMcDonald@coconutcreek.net*

RJ BEHAR'S ROLE:

Wastewater Force Main design and Rehabilitation

PROJECT STARTED: 06/06/2017

PROJECT COMPLETED: 12/2020

COST/FEES PAID: \$88,000

CONSTRUCTION COST:

\$2,499,998

No change orders.

RJ BEHAR'S KEY PERSONNEL:

Juan Vazquez, PE

Principal in Charge and Engineer of Record

Hans Murzi, PE

Environmental Engineer

Elmer Cardenas, PE

Cost Estimates

Kira Leon, PE

Project Engineer

Jossmel Cruz, MS

Plans Preparation



The design for this project was based on the results of the Feasibility Study for Copans Road Wastewater Transmission System Alternatives Study dated January 2017.

The existing transmission force mains within the project limits presently convey flows discharged from Lift Station ("LS") No.12 via a 20" diameter piping system containing both Ductile Iron Pipe ("DIP") and Cast Iron Pipes ("CIP") east along Copans Road where it picks up flows from LS No. 13 and LS No. 14. The flow continues to the City's eastern boundary where it intersects with the Florida Turnpike and meets the City of Pompano Beach. At this location additional flow from an 18" diameter force main, conveying the discharge flow transmitted from LS No.10 is added. LS No 10A and LS No.10B are satellites to LS No. 10. The cumulative flows are then conveyed in a 24" CIP force main east along Copans Road to its termination point within the Broward County North Regional Wastewater Treatment Plant (NRWWTP).

*The existing force mains **cannot** be taken out of service for long periods of time due to the numerous connections and upstream pumping stations. The referenced force main system presently conveys approximately 2.0 million gallons of wastewater per day (2.0 MGD) of the City's wastewater to the destination plant. For this reason, the age of the system and the uncertainty of the materials used for its construction, the City has concluded to replace and upgrade the system as necessary from Lift Stations 10 and 12 to the NRWWTP. This phase included a new force main between LS 12 and the existing Broward County 54" diameter force main which conveys flows east along Sample Road to a termination point at the NRWWTP, and rehabilitation of the force main from LS 12 to the connection from the Wynmoor Community, just west of the Florida Turnpike. The final design included 7,190 ft of 20-inch HDPE force main (HDD) and rehabilitation of 4,420 ft existing 20-inch force main using trenchless technology (PVC Sliplining). A new Magmeter was installed at LS 12. RJ Behar completed the electrical and controls design for the installation of the new magnetic flow meter.*



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



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: 954-260-5383
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: \$250,000
(estimate).

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, EI
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 local residents, streets, and businesses located in the basin, as well as several neighboring communities along South Royal Poinciana, which is a major South-East thoroughfare along Miami Springs. The existing pump is performing below capacity, is obsolete, and fails frequently. The pump station has only one pump and will be replaced with only one new 10,000 gpm axial vertical pump.

Among the improvements to the station are:

- 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
- Miscellaneous repairs

The electrical design scope included coordination with project architect and structural engineers, coordination with FP&L, panel board modifications, grounding details, riser diagrams, new power center, new meter and disconnect, lighting layout and fixtures selection.





RIVERVIEW PUMP STATION NEW GENERATOR, FIRE SUPPRESSANT AND MAIN SWITCH DISCONNECT CITY OF MIAMI, FLORIDA

CLIENT:

*City of Miami
444 S.W. 2nd Avenue, 8th Floor
Miami, Florida 33130*

*Elyrosa Estevez, P.E.
Professional Engineer III
City of Miami Resilience and Public
Works Department
Miami Riverside Center
444 S.W. 2nd Avenue, 8th Floor
Miami, FL 33130
Telephone: 305-416-1295
Facsimile: 305-416-1278
EEstevez@miamigov.com*

RJ BEHAR'S ROLE:

*Project Management, Electrical
design, Cost estimates and
Specifications*

PROJECT STARTED: 11/10/2017

PROJECT COMPLETED: In
Construction

COST/FEES PAID: \$74,200

CONSTRUCTION COST:
\$4,412,000

PROJECT #: M-0127

RJ BEHAR'S KEY PERSONNEL:

*Juan. H. Vazquez, PE, PH, BCEE
Principal in Charge*

*Reynaldo Orozco, PE
Electrical Engineer*

*Carmelo Ramos, PE
Electrical Engineer
Services During Construction*

*Jossmel Cruz, PE
Structural Designer*

*Richard Bolt
Cost Estimates and Specs*

*Kira Leon, PE
Plans Preparation*

R.J. Behar & Company, Inc. (RJ Behar) was contracted to provide engineering services for the replacement of the Riverview Pump Station Generator and pumps interconnection in the City of Miami.

The Riverview Pump Station is located at 1301 NW 6th Street, approximately 500 ft. east of the Marlin's Baseball Park. The pump station is part of the City's stormwater system that includes 12 stormwater pump stations, 1.36 million feet of pipes, over 14,400 catch basins and manholes and 257 outfall structures. In 2013, the City removed two axial pumps and respective motors and installed two new Fairbanks Morse 35,000 GMP Axial Flow Pumps and two 500 HP motors at the Riverview Pump Station. The work on this project included the removal of the existing generator and the installation of a new generator.

The engineering analysis included the following:

1. Analysis of two possible scenarios for sizing the new generator.
2. Design and Plans Preparation
3. Project Specifications
4. Estimates of Probable Costs

Services also include Engineer of Record Post Design Support and Construction Management Assistance. The design also included the structural design of the new generator foundation.

The project also includes design of a new Fire Suppressant System and Main Switch Disconnect for the Pump Station. This portion of the work was done by a subconsultant.



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



PUMP STATION D-36 STRUCTURAL REHABILITATION FORT LAUDERDALE, FLORIDA

CLIENT:

*Mr. Raymond Nazaire, PE, CGC
Senior Project Manager
City of Fort Lauderdale
Public Works Engineering
Department
100 N. Andrews Ave.
Fort Lauderdale, FL 33301
954-828-8954
RNazaire@fortlauderdale.gov*

RJ BEHAR'S ROLE: Structural
Inspection and Rehabilitation

PROJECT STARTED: 3/23/2022

PROJECT COMPLETED: Design
Completed/Under Construction

COST/FEES PAID: \$48,090.00

CONSTRUCTION COST:

\$134,900.

RJ BEHAR'S KEY PERSONNEL:

*Juan H. Vazquez, PE, PH, BCEE
Principal In charge*

*Jose Peña, PE
Structural Engineer/Engineer of
Record*

*Antonio Guell, MS
Sr. Structural Designer*

*Jossmel Cruz, EI
Structural Designer*

*Eduardo Curiel, PE (NC)
Senior Engineer/Quality Control*

*Esteban Aldana
Designer*



The City of Fort Lauderdale's Public Works Department has determined the need to perform a rehabilitation of the D36 Pump Station. The existing D36 Pump Station has been showing a significant grade of deterioration on the main structural concrete elements that requires immediate attention. The D36 Sanitary Pump Station is a small reinforced concrete structure 25'- 4" long and 12' wide, comprising two levels for a total height of 24'- 6". There are two levels to the structure: the lower level contains the pumps, associated piping, and the wet area with an 8" diameter sewer discharge pipe, gate, and pump intakes are located. This area is mostly located under the water table, references to this area say, "lower level." Above this area, there is a control room containing electrical equipment, referred to as the "upper level." The rehabilitation will include only the concrete structural elements of the pump station. The pump station electrical, mechanical, and other components will not be a part of this project 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 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.



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



CLIENT:

Carlos Cedeño
Director, Public Works Department
City of Greenacres
Planning & Engineering
5800 Melaleuca Lane
Greenacres, FL 33463
Tel: (561) 642-2071
Email: ccedeno@greenacresfl.gov

RJ BEHAR'S ROLE: Construction
Engineering and Inspection Services

PRIME CONSULTANT: RJ Behar

PROJECT STARTED: 5/16/2022
PROJECT COMPLETED: 8/2024
COST/FEES PAID: \$139,573.00
CONSTRUCTION COST: \$747,900

RJ BEHAR'S KEY PERSONNEL:

Robert Behar, PE
Principal In Charge

Nestor Santana, PE
Construction Manager

Stacy Sookdew-Sing
Project Administrator

Renzo Sookdew-Sing
Inspector

The City of Greenacres contracted RJ Behar to provide Construction Engineering and Inspection Services for the construction of Dillman Trail from Forest Hill Boulevard to Dillman Road.

This project is receiving FHWA Federal Funding via the Florida Department of Transportation (FDOT) LAP Program. The overall goal of this project is to perform clearing and grubbing and tree removal for a proposed pathway between Forest Hill Boulevard and Dillman Road. Construction of a 12'wide meandering asphalt pathway and adjacent proposed 12'wide swale, including the construction of a irrigation pump system, electrical service for the system, installation of irrigation, landscaping and sod.

RJ Behar's scope of services consisted of providing the CEI services, on a full-time basis as requested by the City, required for contract administration, inspection, and managing the materials sampling and testing. RJ Behar performed the services necessary to coordinate the activities of all parties involved in completing the Project, which included maintaining complete and accurate records of the Project; documenting all significant Project changes; assisting the City with interpreting plans, specifications, and construction contract provisions; making recommendations to the City to resolve disputes; and coordinating with FDOT for LAP requirement compliance.

RJ Behar's scope of services include:

1. LAP Monitoring
2. Maintaining the Project Journal
3. Project Meetings
4. Review Traffic Control
5. Environmental Controls monitoring
6. Review and Process Contractor's Applications for Payment
7. Contract Interpretations and Modifications
8. Administration of Changed Work
9. Project Closeout



8/23/23, 11:41 AM
Okeeheelee Golf Course
Palm Beach County





CLIENT:

*City of Miami Springs
201 Westward Drive,
Miami Springs, FL 33166*

Ms. Lizette A. Fuentes

*Assistant Public Works Director
Public Services Department
345 N. Royal Poinciana Blvd
Miami Spring, FL 33166
Tel: 305-805-5170 Ext:4227
Fax: 305-805-5195
Email: fuentesl@miamisprings-fl.gov*

RJ BEHAR'S ROLE:

Construction Engineering Inspection Services.

PROJECT STARTED: 1/25/2023

PROJECT COMPLETED: 12/1/2023

COST/FEES PAID: \$172,602

CONSTRUCTION COST:

\$1,699,838.85

CHANGE ORDERS: Contingency due to City request for different drainage and green bike lanes – No additional funds were charged.

TIME EXTENSIONS: Weather days only

PROJECT #: FM# 449249-1-54-01

PROJECT LENGTH: 3,486.08 feet (0.66 mi)

RJ BEHAR'S KEY PERSONNEL:

*Robert J. Behar, PE
Principal in Charge*

*Nestor Santana, PE
Senior Project Engineer*

*Stacy Sookdew-Sing
Project Administrator*

*Felix D. Blanco Urbaez
Inspector*

R.J. Behar & Company, Inc. (RJ Behar) was contracted to perform construction engineering inspection services to the City of Miami Springs. The project consisted of roadway improvements for flooding, traffic operation conditions, and redevelopment of the South Royal Poinciana corridor for drainage, landscape, and beautification alternatives.

The work included construction of new landscaped median, installation of concrete curb and gutter, sidewalks including detectable warnings, pedestrian signal, curb pads, swale regrading, sodding, existing driveway harmonization, milling and resurfacing asphalt, regulatory signing and pavement markings including installation of bike lane, landscaping, swale regrading and sod placement. The project area was approximately 3,486.08 feet in length East Drive to Lejeune Road along South Royal Poinciana Boulevard.

RJ Behar was responsible for daily inspections, all project communication between the Contractor and the City of Miami Springs; responsible for communicating any residents' complaints to the City's PIO; participating in progress meetings. RJ Behar oversaw the contractor obtained the necessary City permits, carried out the Erosion Control and Stormwater Pollution Prevention Plan (SWPPP), performed Maintenance of Traffic (MOT), reviewed shop drawing submittals, RFIs, utility coordination, material testing, project documentation, reviewed the contractor's payroll, uploaded project documents in FDOT, and performed final closeout.





ATLANTIC SHORES BLVD. IMPROVEMENTS HALLANDALE BEACH, FLORIDA

CLIENT:

*City of Hallandale Beach
630 NW 2nd Street
Hallandale Beach, FL. 33009*

Armando Aguiar, PE

Project Manager

Marlin Engineering, Inc.

*1700 NW 66th Avenue, Suite 106,
Plantation, FL 33313*

954-870-5070

aaguiar@marlinengineering.com

RJ BEHAR'S ROLE:

Drainage design and permitting

PROJECT STARTED: 06/06/2019

PROJECT COMPLETED: On going.

COST/FEES PAID: \$80,336

CONSTRUCTION COST:

\$2,000,000 (Drainage Only Est.)

CHANGE ORDERS: None

RJ BEHAR'S KEY PERSONNEL:

Juan H. Vazquez, PE, PH, BCEE

Principal in Charge/Task Manager

Elmer Cardenas, PE

Project Engineer

*The City of Hallandale Beach has contracted the services of Marlin Engineering to provide design development and construction administration for Atlantic Shores Boulevard improvements. The design services are aimed at increasing safety, implement wider sidewalks, and improve the roadway on Atlantic Shores Boulevard (NE 9th Street). **RJ Behar**, as part of the design team provided assistance with drainage modifications and permitting.*

Atlantic Shores Boulevard is a City owned road. The public right-of-way is 100 feet wide and generally starts and ends at the back of the sidewalk. The current road has one (1) travel lane in each direction; five (5) foot wide sidewalks on both sides of the road; a paved swale area within the public right-of-way is used for parking. Atlantic Shores Boulevard is currently a sea of pavement and out of scale for its use. The Project limits are from Federal Highway (West) to Diplomat Parkway (East).

The existing systems along Atlantic Shores Boulevard include swales and sporadic inlets. There does not appear to be a formal means of providing water quality treatment to the roadway. There are large areas of impervious surfaces due to the adjacent condominium parking lots. The area is mostly multi-family residential and part of the project is adjacent to the Diplomat Golf Course. At the eastern end is the canal system connected to the Intracoastal Waterway. There is an existing outfall into the canal east of the project.

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 the completed the drainage design, and permitting packages for the project. The proposed drainage systems include new inlets for collection of runoff, modification of the existing systems and reconnections to the existing outfalls, and maintaining the physical connection to the pump station on NE 14th Avenue. Retrofitting the existing outfalls with flap gates to address future sea level rise is also recommended. French drains are proposed to provided water quality for the new improvements. After providing the water quality treatment the system would overflow into the existing project outfalls. The new project includes pervious pavements for share use paths and parking areas.



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



CLIENT:

Oleta Partners, LLC
Mr. Darryl Lee, PE
VP, Development and Construction
15055 Biscayne Boulevard
North Miami, Florida 33181
Tel: (786) 629-3134
Email: dlee@solemia.com

Barbara S. Mesa Valdes, E.I.
Department of Transportation and
Public Works (DTPW)
111 NW Firstst Street
Miami, FL 33128
(305) 375-3409
Barbara.MesaValdes@miamidade.gov

RJ BEHAR'S ROLE:

Roadway design, TTCP design, pavement marking and signing, signalization, lighting, drainage, permitting, utility coordination, contamination assessment and wetland delineation/assessment.

PROJECT START: 8/11/2017
PROJECT COMPLETE: 11/08/2022
COST/FEES PAID: \$498,000.00
CONSTR. COST: \$14,200,000
PROJECT LENGTH: 0.876 miles

RJ BEHAR'S KEY PERSONNEL:

*Robert J. Behar, PE
Principal in Charge*

*Paola Riveros, PE
Project Engineer*

*Juan Vazquez, PE
Drainage/Permitting Engineer*

*Elmer Cardenas, PE, CEI
Drainage Design*

*Carlos Mazorra, PE
Signal Design*

*Joyce Ledan, EI
Designer*

*Nanette Akyaz-Gomez, LEED AP ND
Senior Designer*

The scope of the project consisted of final design for the reconstruction of a segment of NE 151st Street from west of US 1/SR 5 to Bay Vista Boulevard (1 mile) 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 will provide a much-needed east-west roadway east of US 1.

RJ Behar was responsible for 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 project included the design of 4' wide bicycle lanes in both directions in accordance with the 2018 Florida Greenbook.

The scope of this project included a wetland delineation/assessment and contamination assessment. RJ Behar also assisted with coordination to obtain permits for the installation of contamination monitoring wells and permit coordination with Miami-Dade County's Department of Regulatory and Economic Resources, Division of Environmental Resources Management (DERM). RJ Behar met with Mr. Wilbur Mayorga from the Environmental Monitoring and Restoration Division of DERM to discuss the project to determine limitations and permitting requirements that might be imposed because of the groundwater contamination and preliminary design.

The project included a Phase I Environmental Site Assessment (ESA) followed by a Phase II ESA prepared by a subconsultant. The closed Munisport Landfill is located adjacent to the project's limits. The Phase I ESA identified the potential that residual groundwater impacts of ammonia and iron from the Munisport Landfill may have encroached into the right-of-way. Eleven groundwater monitoring wells were installed and sampled within the proposed exfiltration trenches adjacent to the landfill. Laboratory analysis indicated the presence of ammonia at concentrations in excess of the groundwater cleanup target levels in 9 of the 11 well locations. Groundwater samples collected from 5 of those 9 locations also exceeded the natural background concentrations for iron. Design mitigation strategies included using injection/drainage wells in lieu of exfiltration trenches, avoiding dewatering activities, and including requirements for notifications and removal of any encountered contaminated soils.

RJ Behar considered sea level rise in the design of the system by adjusting the tailwater elevations of our hydrologic models and increasing the water table elevations using the Regional Climate Action Plan projections. RJ Behar designed the roadway on average of 1.5 feet higher to consider the effects of sea level rise.

The drainage design for the project included drainage wells with an outfall to the intercoastal waterway, which was challenging because of the presence of contamination in several parts of the project. The project was permitted with the SFWMD, the MD DERM and the USACE.





CLIENT:

Town of Davie
6591 Orange Drive
Davie, Florida 33314

*Mr. Jonathan Vogt, PE
Town Engineer
Tel: (954) 797-1137
E-mail: jvogt@davie-fl.gov*

RJ BEHAR'S ROLE: Grants Assistance

PROJECT STARTED: 5/08/2023
PROJECT COMPLETED: Ongoing
COST/FEES PAID: \$15,000
CONSTRUCTION COST: N/A
CHANGE ORDERS: N/A
TIME EXTENSIONS: N/A

RJ BEHAR'S KEY PERSONNEL:

*Robert J. Behar, PE
Principal in Charge*

*Stacy Sookdew-Sing
Project Manager*

R.J. Behar & Company, Inc. (RJ Behar) was contracted under the Miscellaneous Engineering services contract to provide a Grants Project Manager and assist 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.

The scope of work includes the following:

- Professional services support the Town's various grant projects, including the preparation of related forms, review of documents and submittals required by Federal and State agencies to fulfill the Town's requirements under the respective programs.*
- RJ Behar will provide a Grant Project Manager to assist the Town with the process of achieving LAP certification with FDOT.*
- RJ Behar will provide a Grant Project Manager to assist 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.*
- RJ Behar will conduct research and compile data for and prepare monthly, annual, and special reports.*
- Help with the coordination of the various phases of work for the grant being monitored.*
- Review the processes or supporting documentation for accuracy before transmitting the submittals to the benefactor.*
- Aid with the preparation, formulation, and justification of all material necessary for the grant programs.*
- Conduct complex and detailed reviews and analyses of the grant funds budgeted and allocation of those funds against the funds spent by the Town during the construction phase. Ensuring that reimbursement funds are received from the corresponding agency.*
- Research and respond to special funding opportunities requiring adherence to strict guidelines.*
- Establish a reporting process to monitor and maintain accountability to all funding sources, ensuring the Town is following and complies with all requirements of its respective grants.*
- Assist in representing the Town 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.*





Project 1 South District Wastewater Treatment Plant Upgrade – Grit Chamber Design – Miami

The project consists of the design of a Headworks Aerated Grit Chamber with capacity of 86 mgd. It was designed using 3D modeling software. It required hydraulic modeling and calculations to determine chamber size, aeration rate, transverse baffle's locations and amount of grit to be removed hence screw conveyor power and size. It also included the design of non-potable water distribution within the building, 8" dia. grit dewatering pumping system, and the mechanical selection and arrangement of pumps and process equipment.

A QA/QC process was implemented by frequent team meetings followed by technical review by QC lead engineer and a collaborative review comments system using Revu Bluebeam software. The design team was organized having a lead engineer and a mechanical designer. The team reported to the Prime PM and met regularly to meet project milestones. Communications and reporting followed the same chain of command. The project was successfully delivered as expected. It is now under construction.

1. Contact Information:
 - a. Name: William Eleazer, PE – Brown & Caldwell
 - b. Telephone: (305) 704-4433
 - c. Email Address: BEleazer@Brwncald.com
2. Dates: November 2017 through December 2021
3. Project Amount: \$350,000

Project 2 South District Wastewater Treatment Plant Headworks Process Drain Lift Station – Miami

The project was the design of a 400 gpm. lift station to collect the Headworks 3 process drainage entirely and return it to treatment. The design method required the hydraulic calculations to properly size the pumps and the well. The QA/QC Method required regular team meetings to ensure technical requirements were properly addressed. It included collaborative on-line meetings with interactive software to record the review comments and responses to these. The project was successfully completed, and all review comments were addressed.

1. Contact Information:
 - a. Name: William Eleazer, PE – Brown & Caldwell
 - b. Telephone: (305) 704-4433
 - c. Email Address: BEleazer@Brwncald.com
2. Dates: November 2017 through December 2021
3. Project Amount: \$50,000

Project 3 Central District Wastewater Treatment – EDB2 & EDB3 Fuel Storage Systems – Miami

Engineering design of two 200,000-gal fuel oil storage facilities for two new Electrical Distribution Buildings including use of DEF, Lube Oil and Waste Oil and New Equipment Building. Combined Engineering Cost \$240,000; Specific Role: Engineer of Record; Status - Construction Awarded. The project's methodology required sizing of storage tanks and total volume determination based on selected EGU units' capacity and diesel consumption. Hydraulic calculations were performed to size pumping equipment for loading and unloading of the storage tanks. A separate loading/unloading station was designed to fill the storage tanks as well as to load tank trucks when necessary. Other requirements such as spill containment, Oil & Water separation for contact stormwater and sizing of DEF (Diesel Emissions Fluid) tank for estimated diesel usage was part of the effort. QA/QC Method required regular team meetings to assure technical requirements were properly addressed. It



included collaborative on-line meetings with interactive software to record the review comments and responses to these.

1. Contact Information:
 - a. Name: Valentina Abbott – Brown & Caldwell
 - b. Telephone: (305) 704-4424
 - c. Email Address: VAbbott@Brwncald.com
2. Dates: January 2019 through Present
3. Project Amount: \$252,000

Project 4 South District Wastewater Treatment Plant – Plant Water System Hydraulic Model & Analysis – Miami

The project consisted of preparing an as-built of the facility's nonpotable water distribution network and prepare a hydraulic model of the system to determine bottlenecks and propose improvements. It included 6 pump stations with a distribution network from 1" diameter to 4" diameter pipes at end users. The facility was built in different sections throughout the years without proper hydraulic analysis. The project developed a network plan and a Technical Memorandum with conclusions and recommendations to improve water distribution under a combination of scenarios. The methodology included the measurement of flows and pressures at certain points in the network under different conditions. The hydraulic model was prepared to recreate the system comparing to various operating scenarios that were documented at site. From this, different theoretical scenarios were recreated using the model to determine specific areas of opportunity to improve the PW distribution and address some operational concerns indicated by the Operations Team of the facility. QA/QC of the project was detailed and interactive with the client. The methodology was tested, and the calculations reviewed several times to assure proper representation of the system. Several recommendations were made to certain specific sections to address operational issues such as capacity limitations in certain critical areas due to pipe size and different new interconnections to improve large tank filling during tank startups without compromising other operations. The recommendations were accepted and are being implemented.

1. Contact Information:
 - a. Name: William Eleazer, PE – Brown & Caldwell
 - b. Telephone: (305) 704-4433
 - c. Email Address: BEleazer@Brwncald.com
2. Dates: November 2017 through December 2021
3. Project Amount: \$70,000

RELEVANT EXPERIENCE

Rehabilitation and Upgrade of Triplex Pumping Stations – Fort Lauderdale, Florida

TSFGeo provided Geotechnical Engineering Services for rehabilitation and upgrade to triplex pump stations located throughout Fort Lauderdale, Florida.

The pump stations were located on SE 8th Ave, NE 11th St, Bayview Dr, NE 17th St, NE 15th St, NW 15th St, NW 15th Ave, NW 28th Ave and E Commercial Blvd.

TSFGeo's field services included review of the "Soil Survey of Broward County, Florida", prepared by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), SPT borings, asphalt pavement cores, measuring groundwater levels at the time of drilling and performing laboratory testing which included sieve analysis, moisture content and organic content tests and corrosion series tests.



Provided a geotechnical engineering report which included evaluations and recommendations regarding foundations, excavations, lateral Earth pressures, below surface soil parameters for foundations and pre-construction conditions survey.

Owner: Broward County c/o Kimley-Horn

Contact Information: Mr. Gary R. Ratay, P.E.; Gary.Ratay@kimley-horn.com; 954-535-5100

Start/End Dates: 8/2023 – 11/2023 **TSFGeo fees:** \$14,118

Hollywood Utility Infrastructure Improvements Phase 1 – Broward County Florida

TSFGeo provided Geotechnical Engineering Services for the Hollywood Utility Infrastructure Improvements Phase I project located in Broward County, Florida.

The project included improvements to sections of Sheridan St (SR 822) W Lake Dr to SR A1A, and SR A1A from Sheridan St to E Dania Beach Blvd.



The study was performed to obtain information on the existing subsurface conditions along the project alignment to assist in the design and preparation of construction plans for the improvements.

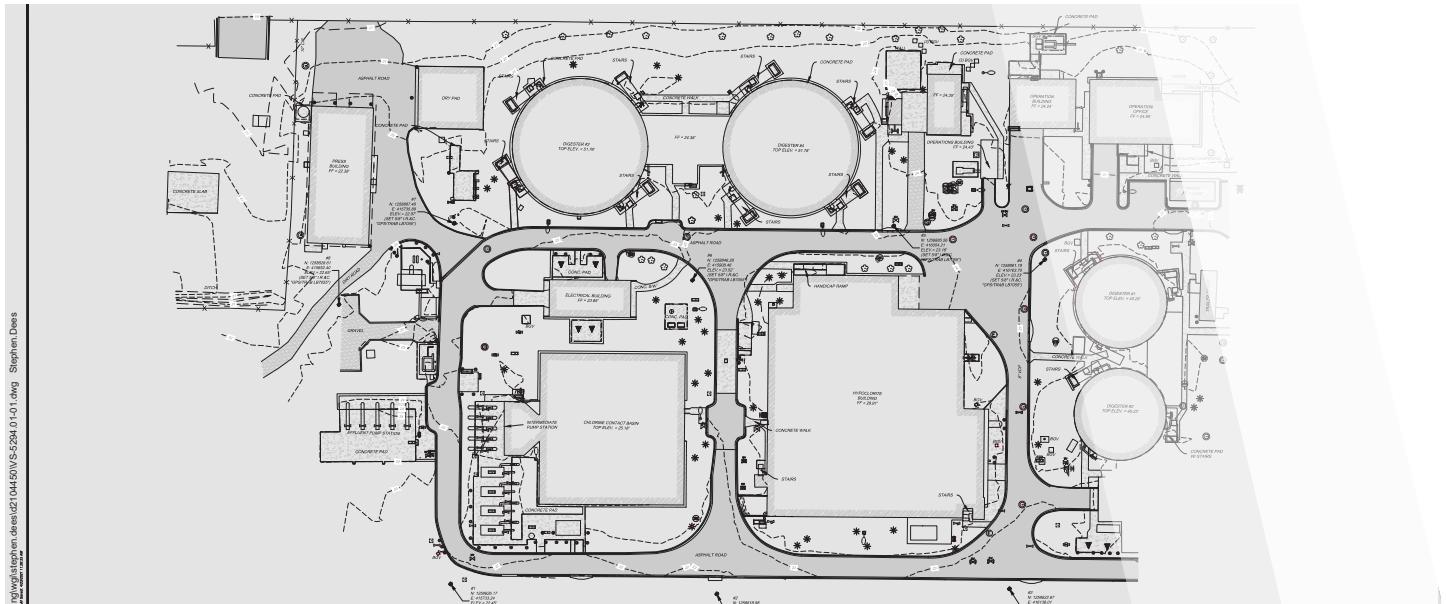
TSFGeo's geotechnical field study included hand auger borings and SPT water and land borings, estimating the seasonal high groundwater table, reviewing readily available published topographic and soils information obtained from the "Soil Survey of Broward County, Florida," published by the United States Department of Agriculture (USDA) Natural Resources Conservation Services (NRCS) and USGS Maps, classifying soil samples in the laboratory using the AASHTO Soil Classification System to establish the soil properties and confirm the visual classification which included Atterberg limit tests, grain size analysis tests, and moisture content tests.

Provided a geotechnical engineering report which included evaluations and recommendations regarding excavations, groundwater control, pavement design considerations, on-site soil suitability, monitor existing structures, geofabrics, pavement cores, roadway general information, coring process, cracking, rut depths, cross slopes, and roadway surface conditions. An additional report was provided which included evaluations and recommendations regarding general site conditions and lateral earth pressures.

Owner: City of Hollywood c/o Tetra Tech, Inc.

Contact Information: Mr. Kenneth L. Caban, P.E., VP; ken.caban@tetrtech.com; 954-308-3511

Start/End Dates: 6/2021- 11/2021 **TSFGeo fees:** \$101,656

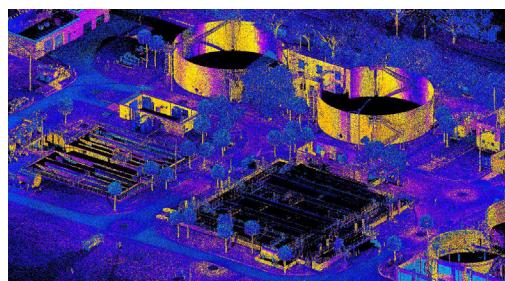
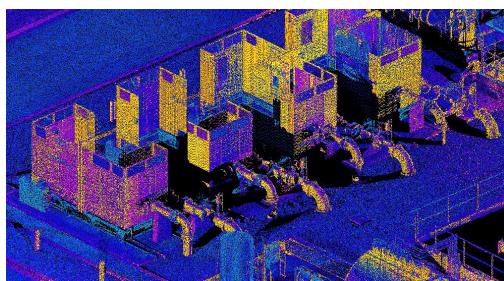


NORTHWEST WATER RECLAMATION FACILITY, NORTHEAST WATER RECLAMATION FACILITY, AND DRYING BEDS IMPROVEMENT GEOSPATIAL SERVICES

Pinellas County, Florida

Under our City of St. Petersburg miscellaneous professional services for surveying contract, WGI provided the survey and SUE services needed for the construction of new digesters and drying beds at the Northwest Water Reclamation Facility and the Northeast Water Reclamation Facility. WGI established horizontal and vertical control, performed a QLB utility investigation and a QLA field investigation, and prepared topographic surveys of the two water reclamation facilities — a four-acre site and a 6.3-acre site. Terrestrial 3D scanning was completed for each facility, from which WGI obtained topographic data. Deliverables included an AutoCAD file and a signed and sealed plot of the topographic survey.

The survey included improvements and utilities; permanent building structures, digesters, drying beds, pipes, and other appurtenances; storm drainage manholes, catch basins, sanitary sewer manholes, utility poles, light poles, walls, and fences; pavement edges and curbing; concrete pads and sidewalks, outline of dense vegetation and landscaped areas, and individual trees.



OWNER/CLIENT:
City of St. Petersburg

CONTACT:
Hamza Bouloudene
Engineering Department
One 4th Street, 7th Floor
St. Petersburg, FL 33701
p. 727.893.7171
e. Hamza.Bouloudene@stetson.edu

PROJECT PERIOD:

CONTRACT VALUE:
\$73 052

SERVICES PROVIDED:

Survey
SUE

WGI - Architecture

WATER PLANT ROOF STORM HARDENING

OWNER/CLIENT

City of Lake Worth Beach | Water Utilities Department

CONTACT

Garry E. Baker II

Water Plant Manager

gabaker@lakeworthbeachfl.gov

561-586-1713

PROJECT PERIOD

January 2024 – Ongoing

COST

\$ 1,140,000.00 construction cost estimate

WGI was tasked to design the hardening of the existing water plant with a new roofing system with associated stormwater discharge to the site. The project was federally funded through a grant, and **WGI** assisted the City with the review process and design implementation within the guidelines of the grant. This re-roofing project required careful coordination of existing rooftop equipment and platforms.

DISTRICT 1 HEADQUARTERS CONFERENCE CENTER RECONSTRUCTION

OWNER/CLIENT

FDOT (District 1)

CONTACT

Chad Ryan Lewis

Facilities Manager

chad.lewis@dot.state.fl.us

863-519-2501

PROJECT PERIOD

February 2020 – February 2022

COST

\$2,600,00.00 construction cost

WGI was tasked to design the repurposing of an existing building at the District 1 headquarters campus into a modern, adaptable conference center for use by FDOT and other agencies. The new facility will connect to the existing headquarters with a canopy to protect visitors from inclement weather, and an exterior covered canopy area will accommodate overflow of occupants during conference breaks and other campus events. The interior of the building was completely renovated to accommodate as many occupants as possible in technology-driven meeting space as an amenity for statewide agency use. The design is modern, clean, and focused on resilience.

TAB C – Firm's Qualifications and Experience
c. Licenses and Certifications

Sunbiz – Division of Corporations

 **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

FL Corporation No.: P99000088184; FEIN No.: 65-0954070
Date Filed: October 4, 1999

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, 2024, that its most recent annual report/uniform business report was filed on June 13, 2024, 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 Thirteenth day of June, 2024*





Secretary of State

Tracking Number: 9421341573CC
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

Department of Business and Professional Regulations
Professional License No: 8365 / Expires: 02/28/2025

| 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 | 02/28/2025 |



R.J.Behar

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:
01/27/2023 to 01/27/2025



J. Todd Inman

Florida Department of Management Services

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



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

January 14, 2022

REGISTERED VENDOR NO.: 104220

Mr. Robert J. Behar, P.E., President
R. J. Behar & Company, Inc.
6861 SW 196th Ave, Suite 302
Pembroke Pines, FL 33332

CERTIFICATION EFFECTIVE DATE:

February 21, 2022

CERTIFICATION EXPIRATION DATE:

February 21, 2025

Dear Mr. Behar:

Congratulations, the South Florida Water Management District (District) has recertified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may only be applied when business is conducted in the following area(s):

Professional, Environmental and General Construction Engineering Services; Construction Management; and Inspection Services

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,



Jennifer Dollar
SBE Program Specialist
Procurement Bureau

JD

3301 Gun Club Road, West Palm Beach, Florida 33406 • (561) 686-8800 • 1-800-432-2045
Mailing Address: P.O. Box 24680, West Palm Beach, FL 33416-4680 • www.sfwmd.gov

**State of Florida
Minority Business Certification
Period – 01/27/2023 to 01/27/2025**

**South Florida Water Management District
Small Business Enterprise (SBE)
Certification Period – 02/21/2022 to 02/21/2025**



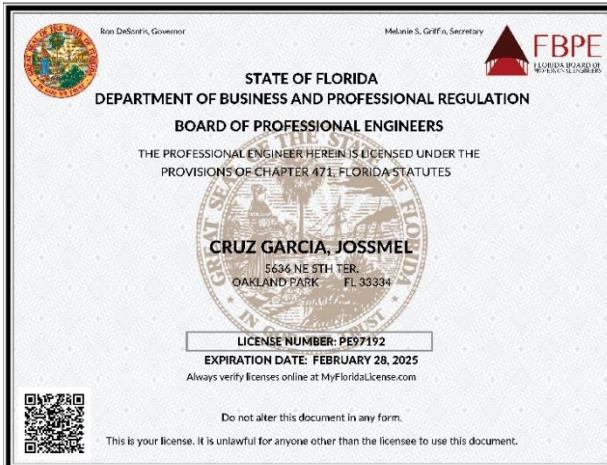
R.J.Behar

TAB C – Page | 31

Staff Licenses and Certifications

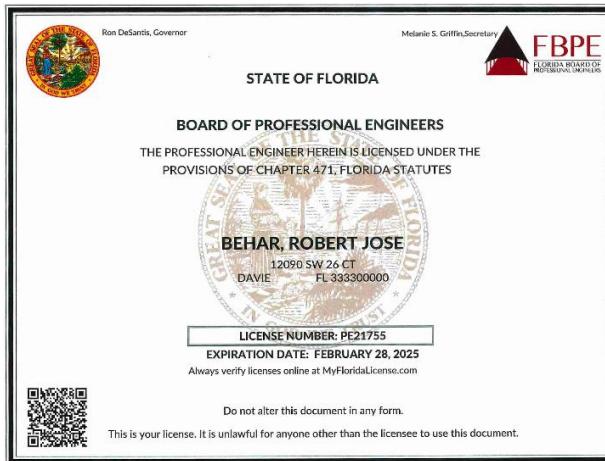
Jossmel Cruz-García, PE

License No.: PE97192 – Expires: 2/28/2025



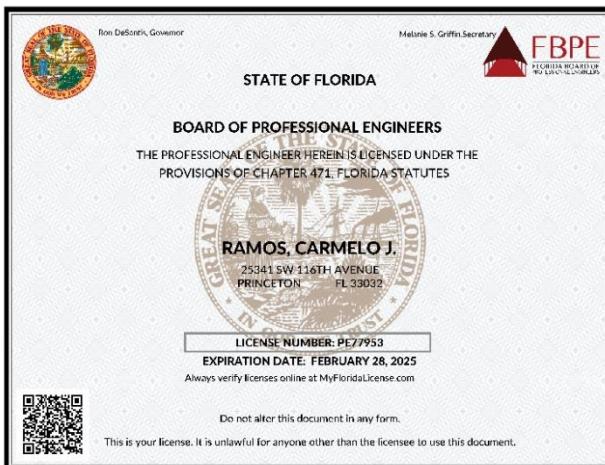
Robert J. Behar, PE

License No.: PE21755 – Expires: 2/28/2025



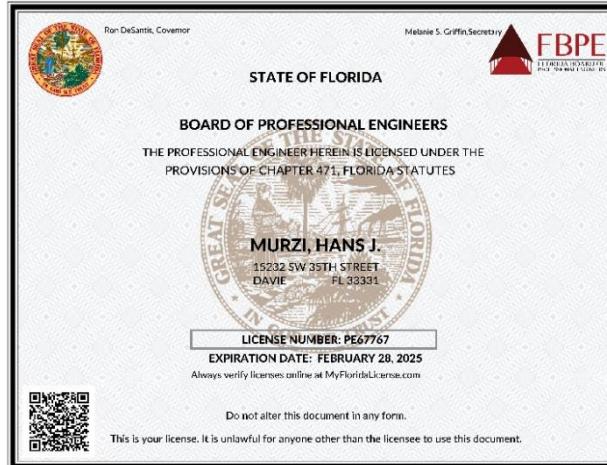
Carmelo J. Ramos, PE

License No.: PE77953 – Expires: 2/28/2025



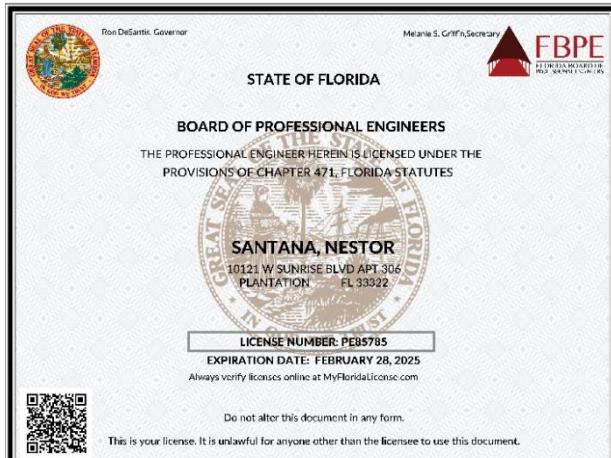
Hans J. Murzi, PE

License No.: PE67767 – Expires: 2/28/2025



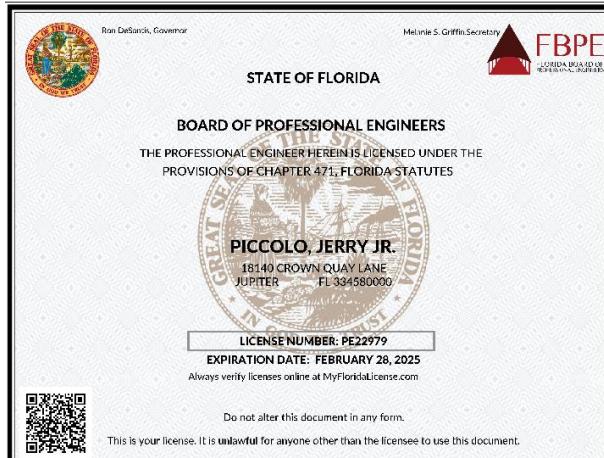
Nestor Santana, PE

License No.: PE85785 – Expires: 2/28/2025



Jerry Piccolo, Jr., PE

License No.: PE22979 – Expires: 2/28/2025



R.J.Behar

Elmer Cardenas, PE

License No.: PE62988 – Expires: 2/28/2025



Gregory P. Dover, PE

License No.: PE57684 – Expires: 2/28/2025



Specialty Licenses

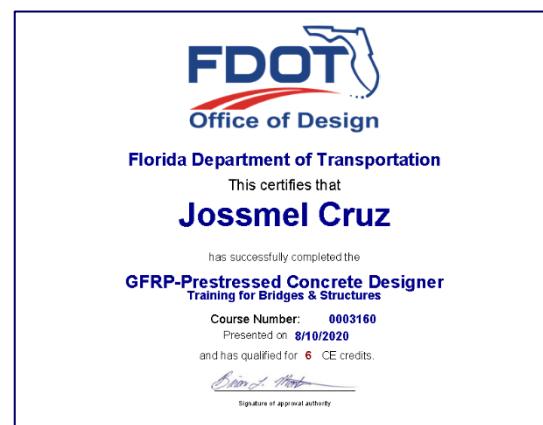
Jossmel Cruz-García, PE – FDOT for Specifications Package Preparation Training for Consultants
Date: 06/21/2022



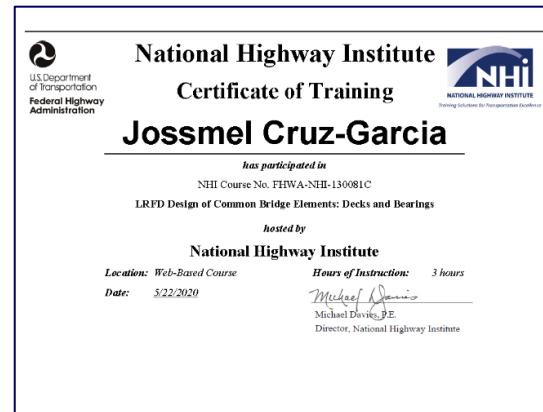
Jossmel Cruz-García, PE – National Highway Institute - General Superstructure Design Considerations (Web-based)
Date: 6/17/2020



Jossmel Cruz-García, PE – FDOT – GFRP-Prestressed Concrete Designer – Date: 8/10/2020

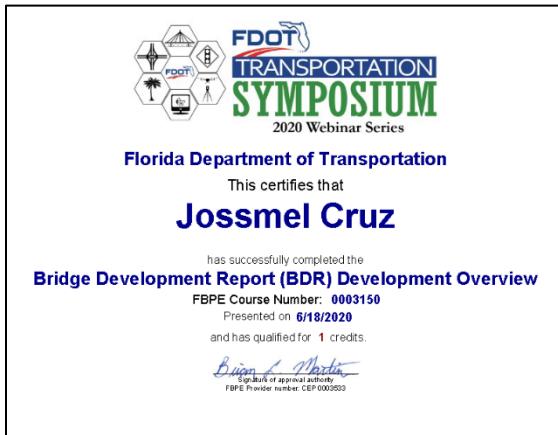


Jossmel Cruz-García, PE – National Highway Institute - LRFD Design of Common Bridge Elements: Decks and Bearings – Date: 5/22/2020

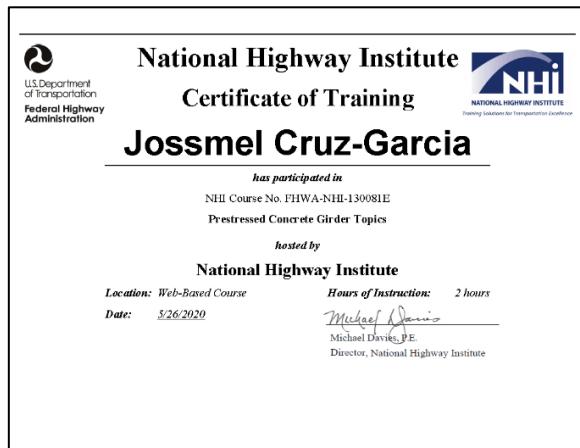


R.J.Behar

Jossmel Cruz-García, PE – FDOT – Bridge Development Report (BDR) Development Overview – Date: 6/18/2020



Jossmel Cruz-García, PE – National Highway Institute - Prestressed Concrete Girder Topics – Date: 5/26/2020



Hans Murzi, PE, CFM – Floodplain Managers, Inc. – Certified Floodplain Manager – Exp. 07/31/2026



Robert J. Behar, PE

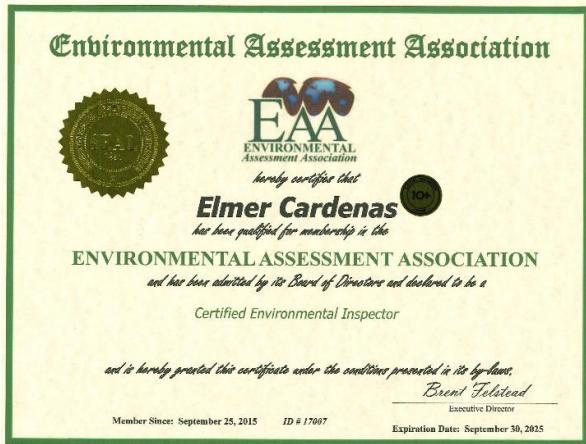
FDOT Approved Temporary Traffic Control (TTC): Advanced Course – Exp. 8/24/2027

Hans Murzi, PE, CFM
Stormwater Management Inspector

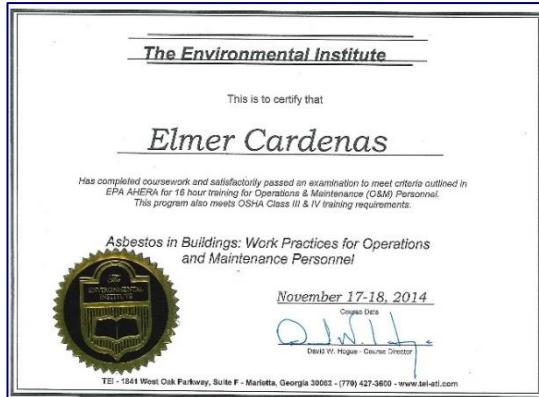


R.J.Behar

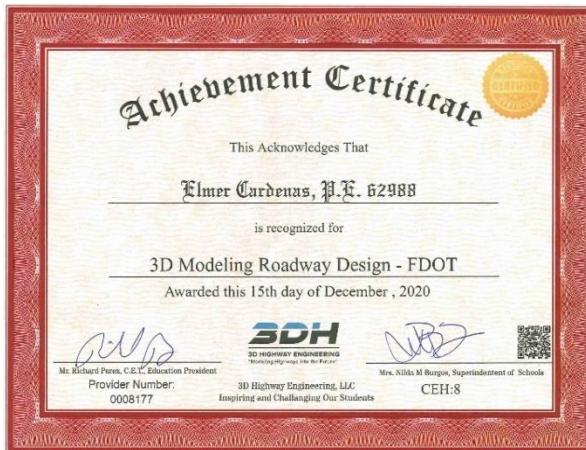
Elmer Cardenas, PE, CEI – Environmental Assessment Association – ID # EA-17007 – Exp. 09/30/2025



Elmer Cardenas, PE, CEI – The Environmental Institute
Asbestos in Buildings: Work Practices for Operations and Maintenance Personnel Certificate



Elmer Cardenas, PE – 3DH HIGHWAY ENGINEERING –
3D Modeling Roadway Design – FDOT – Date: 12/15/2020



Nestor Santana, PE – FDOT Approved Temporary Traffic Control (TTC): Advance Course – Expires: 06/29/2027



CTQP Training History Report

Nestor Santana, PE
CTQP Report –
TIN: S53563668

Valid Qualifications

| Qualification Name | Certificate Number | Valid from | Expires on |
|---|--------------------|------------|------------|
| Asphalt Paving Level 1 | 3015114 | 09/06/2022 | 09/06/2027 |
| Asphalt Paving Level 2 | 3015163 | 09/09/2022 | 09/09/2027 |
| Earthwork Construction Inspection Level 1 | 2000555 | 01/28/2020 | 01/28/2025 |
| Earthwork Construction Inspection Level 2 | 2000293 | 01/30/2020 | 01/30/2025 |
| Final Estimates Level 1 | 3029603 | 04/25/2024 | 04/25/2029 |
| Final Estimates Level 2 | 3029602 | 04/25/2024 | 04/25/2029 |
| QC Manager | 2001645 | 05/07/2019 | 01/01/2099 |



R.J.Behar

Nestor Santana, PE – METRO Florida Safety Council – MOT
Workzone Traffic Control: Advanced Level – Date: 06/29/2023



**Stacy Sookdew-Sing – APNGA – Portable Nuclear
Gauge Safety & U.S. D.O.T. Hazmat Certification –
Expires: 03/29/2025**



Stacy Sookdew-Sing
Florida Department of Environmental Protection –
Qualified Stormwater Management Inspector



CTQP Training History Report

Report for: Stacy sookdew-sing
TIN: S23278171
Report Date: 11/20/2024

Stacy Sookdew-Sing
CTQP Report –
TIN: S23278171

Valid Qualifications

| Qualification Name | Certificate Number | Valid from | Expires on |
|---|--------------------|------------|------------|
| Earthwork Construction Inspection Level 1 | 3010864 | 07/12/2022 | 07/12/2027 |
| Earthwork Construction Inspection Level 2 | 3010954 | 03/24/2022 | 03/24/2027 |
| Final Estimates Level 1 | 3007144 | 10/13/2021 | 10/13/2026 |
| Final Estimates Level 2 | 3007143 | 10/13/2021 | 10/13/2026 |
| QC Manager | N/A | 05/23/2014 | 01/01/2099 |

**Stacy Sookdew-Sing – FDOT Office of Construction
Critical Structures Construction Issues – Self Study
Course – 01/25/2022 to 01/25/25**

| |
|--|
| State of Florida Department of Transportation Office of Construction |
| CERTIFICATION OF COURSE COMPLETION |
| Critical Structures Construction Issues – Self Study Course |
| <i>NOTE: The original of this certification must be transmitted to the District Construction Training Administrator within 7 days of execution and a copy must be retained by the student. A false statement made in connection with this certification is sufficient cause for disciplinary action by the Department.</i> |
| I, (print student's name here) <u>Stacy Sookdew-Sing</u> , certify that I have, to the best of my ability, read and understand the information presented in the above named course which I completed on (enter date of course completion here) <u>1-25-2022</u> . I also acknowledge that I must complete the above named course again within 3 years of the date of completion on this certification. |
| Signature and e-mail address of the above named student and date signed: |
| <u>Stacy Sookdew-Sing</u> , <u>1-25-2022</u> Signature Date |
| <u>SSing@rjbehar.com</u> E-mail address |

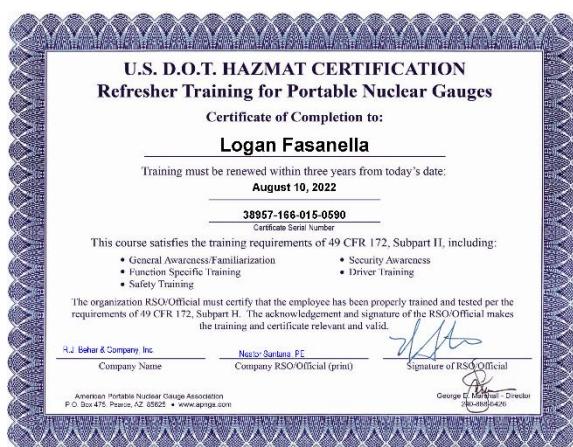


R.J.Behar

Logan Fasanella – FDOT Approved Temporary Traffic Control (TTC) Advance Course – Expires: 08/24/2027



Logan Fasanella – U.S. D.O.T Hazmat – Refresher Training for Portable Nuclear Gauges – Exp.: 08/10/2025



CTQP Training History Report

Report for: Logan Fasanella
TIN: F25453388
Report Date: 11/20/2024

Logan Fasanella
CTQP Report – TIN: S23278171

Valid Qualifications

| Qualification Name | Certificate Number | Valid from | Expires on |
|---|--------------------|------------|------------|
| Asphalt Paving Level 1 | 2005214 | 10/22/2020 | 10/22/2025 |
| Asphalt Paving Level 2 | 2004919 | 10/22/2020 | 10/22/2025 |
| Concrete Field Technician Level 1 | 3022683 | 11/12/2023 | 08/19/2025 |
| Drilled Shaft Inspection | 3013901 | 08/16/2022 | 08/16/2027 |
| Earthwork Construction Inspection Level 1 | 2005683 | 09/29/2020 | 09/29/2025 |
| Earthwork Construction Inspection Level 2 | 2005743 | 11/11/2020 | 11/11/2025 |
| FDOT Concrete Field Inspector Specification | N/A | 08/19/2020 | 08/19/2025 |
| Final Estimates Level 1 | 3025374 | 02/13/2024 | 10/24/2028 |
| Final Estimates Level 2 | 3025208 | 10/24/2023 | 10/24/2028 |
| Pile Driving Inspection | 3004539 | 06/11/2021 | 06/11/2026 |
| QC Manager | 3006679 | 09/17/2021 | 01/01/2099 |

Logan Fasanella – Florida Department of Environmental Protection – Qualified Stormwater Management Inspector



TAB D:

Organizational Profile and Project Team

Qualifications

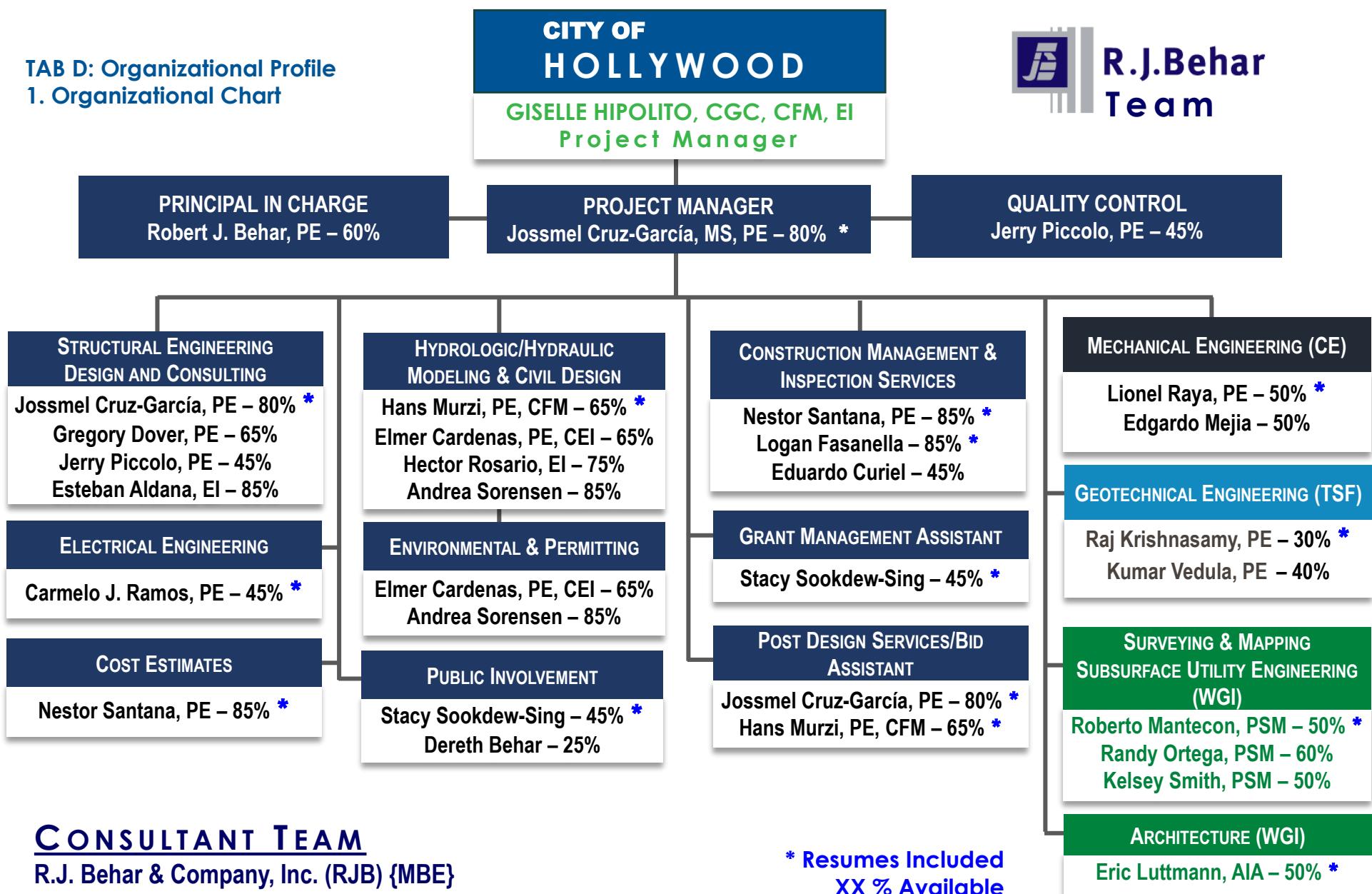
1. Organizational Chart
2. Performance, Experience and Qualifications, Cost Containment
3. Subconsultants Services
4. Brief Resumes

4.a Project Team Qualification / Experience of PM Working Together



R.J.Behar

TAB D: Organizational Profile
1. Organizational Chart



CONSULTANT TEAM

R.J. Behar & Company, Inc. (RJB) {MBE}
Cardozo Engineering, Inc. (CE)
Tierra South Florida, Inc. (TSF)
WGI, Inc. (WGI)

TAB D – Organizational Profile and Project Team Qualifications

2. Performance, Experience and Qualifications, Cost Containment

Based on the proposed scope of service, **RJ Behar** has successfully completed previous contracts of a similar nature with a satisfactory record of performance for various government and municipal agencies. Several projects of the proposed team have received or have been nominated for engineering awards.

We pride ourselves in meeting our client's needs using proper project management and an extensive quality assurance program. In this type of contract, the most important issue is **responsiveness**. The **RJ Behar** firm has developed an excellent reputation throughout South Florida for delivering high quality engineering services. **RJ Behar** has consistently completed projects on time and within budget requirements. We receive evaluations from the FDOT in the range of 4.0 out of a maximum of 5.0 points. We also consistently obtained evaluations from the SFWMD projects in the range of 3.5 to 4.375 out of a maximum of 5.0 points. Another test of our ability to complete projects on time and within budget is repeat business. The following table indicates clients for which **RJ Behar** has been in constant services, and the duration of those services.

| Client | Type of Contract | Years Under Contract |
|--|--|----------------------|
| City of Hialeah | General Engineering Services | 24 |
| SFWMD | General Engineering, Construction Management | 22 |
| FDOT D4 | Several Contracts | 24 |
| FDOT D6 | Several Contracts | 24 |
| Central Broward Water Control District | District Drainage Engineer | 18 |
| City of Pompano Beach | General Engineering Services | 14 |
| City of Lauderdale Lakes | General Engineering Services | 20 |
| City of Hallandale Beach | General Engineering Services | 18 |
| City of Miami | Transportation & Traffic Services | 15 |
| City of Pembroke Pines | General Engineering Services | 12 |

RJ Behar's project manager is responsible for the schedule control of the project. Working with the City's Staff and key members of the Project Team, our project manager, **Mr. Jossmel Cruz-García, PE**, will identify all activities, resources and efforts required for each task, and prepare the project schedule. Inputs to the schedule will be activities, duration of each activity, predecessors and successors to each activity, efforts required to complete each activity, and the personnel assigned to successfully complete each activity. **RJ Behar** is committed to meeting the City's schedules. The schedule should satisfy the following parameters:

- The time frame should be as needed and agreed upon with the City's Project Manager.
- It will include adequate time for each step taking advantage of parallel steps as much as possible.
- It will include time for quality control reviews.
- It will include time for the revision, commenting, and approval by the City.
- It will include the time necessary to coordinate with other stakeholders.
- It will include time for coordination with the utility companies.
- It will adequately consider permitting agency reviews.
- The time steps should be realistic based on project constraints.

Immediately after NTP, **RJ Behar** will submit a project schedule to City of Hollywood's Project Manager for approval. Our schedules will allow four weeks for review submittals. We will track all project milestones and staffing needs on a weekly basis at our weekly in-house project manager meetings, so we can maintain a positive float. Also, **RJ Behar** will ensure that the project schedule is properly managed by looking ahead to critical path items and, if by some unforeseen reason the schedule falls behind (negative float), a recovery plan will be put in place. Mr. Cruz Garcia will keep the City's Project Manager advised of any impacts to the schedule immediately. The recovery plan will depend on which task is being delayed as well as why it is being delayed. It is our responsibility to track all the project activities including third-party activities (utilities, permits, counties/cities), which have a high risk of resulting in negative float. Project schedules are updated anytime there is a change of scope or after an unforeseen delay with the recovery plan put in place. Our project manager has gone through every one



of these milestones on several Cities projects. This process will result in a "Project Schedule" identifying activities which are on the "critical path" as well as float time in other activities. This is particularly important because activities on the "critical path" cannot slip without adversely impacting the "Project Schedule." Mr. Cruz Garcia will monitor all activities, ensuring the proper level of staffing to strictly adhere to the "Project Schedule." Team meetings will be held on a regular basis to review progress and ensure compliance with the "Project Schedule." Progress Reports will be submitted to the City's Project Manager monthly.

We utilize Primavera and/or Microsoft Project Software for schedule preparation. We believe that the successful completion of a project is highly dependent on the experience of the staff assigned to the project. **RJ Behar** will commit the personnel necessary and monitor project progress to meet schedules. **For this project, we offer some approaches that should result in time savings to the City** as follows:

- *All the Team Members are located within the South Florida region.* This gives us the ability to assign staff who are familiar with the region. They are familiar with local issues, utility companies, government and permitting agencies. Our project office in Broward County is very close to the project.
- *Use of OneDrive, E-mail, and FTP sites:* Using these methods, we can transfer data, documentation, and communicate with the City, our offices, and subconsultants.
- *Our subconsultants will also follow the ascribed schedule.*
- *Please review our technical approach where we described innovative design ideas to save the City on construction costs.*
- *Our team has been involved in the design and construction inspection of municipal projects, giving us in-depth knowledge on how to proceed with the City.*
- *Our team has a working relationship with the Florida Department of Transportation, which should facilitate project coordination and acceptance.*

Control Budget

RJ Behar is aware of the municipal project budgets. To ensure that this budget is maintained, we have established and will follow the approach listed below.

- Control of Budget:
 - *Design:* The control of the design budget starts at the scoping and negotiation stage. Close coordination with the City of Hollywood's PM along with the efficiency and experience in using **RJ Behar's** earned value practices has enabled us to control design costs and eliminate unwanted "scope creep" as well as avoiding any unnecessary redesign. Last-minute changes to the scope of services may be avoided by having a prescoping meeting, where the City of Hollywood's PM and **RJ Behar's** PM collectively brainstorm and agree to a scope of services. Our PM will develop a payout curve early in the project to compare the project expenditures vs. the percentage complete for each task. The payout curve is updated with every design submittal and/or after a change in the scope of services. Our PM will monitor them monthly when submitting the Progress Report. This allows our PM to make the necessary adjustments to ensure the project budgets are kept under control. We have demonstrated strict control of design costs by closely tracking our expenditure using our in-house job cost accounting software. We also track our approved deliverables against the schedule with our invoice to the City of Hollywood.
 - *Construction:* Starting in the design phase, the quality of the plans has a direct impact in controlling the construction budget. These include: 1) if a preliminary construction cost estimate is available, we will corroborate and/or report any differences to City of Hollywood's PM, 2) make sure that appropriate pay items and/or item notes are provided, 3) verify all plan quantities, 4) avoid "scope creep," 5) update cost estimates at every phase submittal/and or after any scope of work changes and report any increases, so that a programmed budget increase can be requested.

3. Subconsultant Services

RJ Behar teamed up with three South Florida firms, each with sufficient experience in their corresponding fields of expertise, to bring this project to a successful completion.

Cardozo Engineering, Inc. (CE) will provide mechanical engineering design services. **CE's** strong expertise is its process mechanical design of pipelines, pump stations, and waste treatment facilities. Cardozo will provide engineering design and drafting services for this project. This service includes field data gathering, system analysis, hydraulic calculations, equipment



sizing and selection, preparation of construction documents, coordination with other disciplines, and participating in the QA/QC Review Meetings.

Tierra South Florida, Inc. d/b/a TSFGeo will provide geotechnical engineering evaluations during design and testing services during construction. **TSFGeo** provides a complete range of geotechnical engineering services. Their organization helps define the construction and long-term performance risks associated with subsurface conditions. **TSFGeo** will evaluate and then develop recommendations regarding both existing structures and new construction. **TSFGeo** owns a large, diverse fleet of 11 drill rigs with automatic hammers (truck-mounted, track-mounted, rotary, tripod, ATV, barge) capable of drilling in challenging conditions including remote, soft, marshy, over-water, difficult access, or environmentally sensitive areas. We also employ Maintenance of Traffic (MOT) certified staff to safely perform drilling services in high-traffic areas.

TSFGeo's geotechnical services include:

- Laboratory testing and analysis
- Subsurface exploration
- Site preparation recommendations
- Soil reinforcement
- Expert witness testimony
- Value engineering
- Pavement evaluations and design
- Deep and shallow foundation analysis and design
- Slope stability analysis
- Corridor studies
- Sinkhole studies
- Unknown Foundation studies

Construction Materials Testing: **TSFGeo** offers materials engineering, testing, and inspection services applicable to the governmental, construction, and manufacturing industries. During construction, monitoring and quality control services will cover every phase of construction and all materials used. **TSFGeo** owns and operates three fully equipped in-house soils, concrete, aggregate, and asphalt testing laboratories certified by Construction Materials Engineering Council (CMEC) and validated by Florida Department of Transportation (FDOT). **TSFGeo** labs follow American Society for Testing and Materials (ASTM) and American Association of State Highway and Transportation Officials (AASHTO) standards, and their West Palm Beach lab is validated by the United States Army Corp of Engineers (USACE). **TSFGeo's** field and laboratory technicians hold industry-recognized certifications (ACI/CTQP/PCI/FPCA) for aggregates, asphalt, concrete, and earthwork testing as well as drilled shaft, augercast pile, and pile driving monitoring.

WGI Inc. (WGI) will provide survey services and subsurface utility services as needed, also architectural services as the project required these services.

WGI are skilled in implementing GPS satellite surveying technology. **WGI** will follow NGS-approved methods for control monumentation, network configuration, session planning, and survey execution, all with the project's specific accuracy objectives in mind. They have experienced staff performing high-order geodetic leveling using specialized equipment, including invar rods. **WGI** routinely prepares control data sheets as deliverables. They have the expertise to conduct precise horizontal and vertical geodetic control surveys and can complete the largest and most comprehensive GPS networks efficiently with more than 60 survey-grade global navigation satellite system (GNSS) receivers in our inventory.

Subsurface Utility Engineering – Effective utility locating and coordination requires innovation, experience, and a team approach. **WGI** owns and operates cutting-edge, air/vacuum excavation and ground-penetrating radar systems. **WGI's** close relationships with many utility agencies produce accurate record data that ultimately keeps projects moving forward. **Control Cost + Schedule** Effective utility locating and coordination requires innovation, experience, and a team approach.

Architecture: **WGI** is an industry leader upholding a long-standing tradition of incomparable service and a passion for innovation and technology. **WGI** offers a buildings team with architects that are highly skilled and well-rounded with experience on projects of varying scopes and complexities. **WGI** also have the necessary experience and understanding of this project type from our previous and current working experience with other municipalities and wet utility service providers. **WGI's** team is fully committed to successfully serving the needs of this project and the stakeholders.

Please see subconsultant qualifications and their corresponding certifications and licenses under **Tab H – Subconsultant Information: Firm Overview, Office responsible for this contract.**



JOSSMEL CRUZ GARCÍA, P.E.
**PROJECT MANAGER/STRUCTURAL ENGINEERING DESIGN AND
CONSULTING, POST DESIGN SERVICES/BID ASSISTANT**



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
7

YEARS WITH RJ BEHAR
2017 - Present

OFFICE LOCATION
Pembroke Pines, Florida

PROFESSIONAL REGISTRATIONS

P.E. Florida License No. 97192, 2023

CERTIFICATIONS

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

SPECIAL QUALIFICATIONS

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

PROFESSIONAL SOCIETIES

Member of American Society of Civil Engineers (ASCE)

RELEVANT PROJECT EXPERIENCE

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 in order 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. Construction Cost: \$134,900

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.

C23 to C44 Interconnect Canal, Palm Beach County, Florida – South Florida Water Management District (SFWMD)

Structural Project Engineer – The scope of services for this project includes 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).

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

Structural Designer – Structural Designer of foundation slab for new emergency generator. The scope of services consisted of engineering services for the replacement of the Riverview Pump Station Generator and pumps interconnection in the City of Miami. Services included project management, structural and electrical design, cost estimates, and specifications.

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.

S-135 By-Pass Culvert Abandonment and Dike Repairs - 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.



**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

13

2019 - Present

OFFICE LOCATION

Pembroke Pines

PROFESSIONAL REGISTRATIONS

P.E. Florida License No. 77953, 2012

SPECIAL QUALIFICATIONS

- Advanced Building Code Course Credit, 02/28/2019
- Electrical & Computer, 08/06/2014.

RELEVANT EXPERIENCE**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.

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.

Copans Road Wastewater Transmission System Design - City of Coconut Creek

Senior Electrical Engineer. He was responsible for electrical design for the installation of a magnetic flow meter for Lift Station 12. This phase of the project included a new force main between LS 12 and an existing metering station which conveys flows east along Sample Road to a termination point at the NRWWTP, and a rehabilitated force main from LS 12 to the connection from the Wynmoor Community, just west of the Florida Turnpike.

I-75W2 Weir Structure Replacement Design - South Florida Water Management District (SFWMD)

Mr. Jean Baptiste Gilbert, PE, 561)682-6420: gjeanbap@sfwmd.gov

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.

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.

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.





HANS MURZI, P.E., CFM

HYDROLOGIC/HYDRAULIC MODELING & CIVIL DESIGN

POST DESIGN SERVICES/BID ASSISTANT

EDUCATION

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

YEARS OF EXPERIENCE

22 Years

YEARS WITH RJ BEHAR

2014 – Present

OFFICE LOCATION

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

RELEVANT ENGINEERING EXPERIENCE

Altura Westland Sanitary Sewer Upgrade, Miami-Dade County, Florida – City of Hialeah

Project Manager – RJ Behar was contracted by the City of Hialeah to prepare 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.

Pre-Design Services for Pump Stations Design Package No 3, San Juan, Puerto Rico

Assistant Project Manager. The project includes predesign and evaluation of three major stormwater pump stations in the metro area of San Juan, Puerto Rico damaged during Hurricane Maria. RJ Behar's scope includes updating and modifying the H-H models using the ICPR4 software, developing stormwater management improvements, determining the required pump station capacity, recommending nature based (green) alternatives, preparation of a new H-H report and providing peer review for the evaluation of the improvements.

Interim City Engineer Services, Broward County, Florida – City of Hallandale Beach

Project Manager: **RJ Behar** was contracted by the City of Hallandale Beach, as part of a miscellaneous engineering contract, to provide interim City Engineer Services. He is responsible for the following group of tasks: Permit Reviews, Development Reviews, General Consulting Civil Engineering Services, and Inspections.

Copans Road Wastewater Transmission System Design, Broward County, Florida – City of Coconut Creek

Deputy Project Manager/Project Engineer. He was responsible for the plan's preparation, coordination with subconsultants, coordination with utilities, cost estimates and permitting. This phase included a new force main between LS 12 and an existing metering station which conveys flows east along Sample Road to a termination point at the NRWWTP, and a rehabilitated force main from LS 12 to the connection from the Wynmoor Community, just west of the Florida Turnpike.

Reclaimed Waterline Extension, Broward County, Florida – City of Coconut Creek

Project Engineer. He revised the plans and completed the bid packages and permitting for the reclaimed line plans, and specifications. He also provided services during construction, conducted inspections and prepared the Record Drawings. The project consists of the design for approximately 6,900 LF of a 16" diameter reclaimed waterline for connection to a proposed City reclaimed water main (16") at the southeast corner of Lyons Road and Wiles Road for irrigation of City play fields and green areas.

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.

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.

Lyons Park Neighborhood Improvement Project, Construction Management Services, Broward County, Florida – City of Pompano Beach – Project Manager. 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 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. *Contractor: Giannetti Contracting Corp.*



SENIOR PROJECT ENGINEER – CONSTRUCTION MANAGEMENT AND CONSTRUCTION SERVICES, COST ESTIMATES

**EDUCATION**

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

YEARS OF EXPERIENCE

28 Years

YEARS WITH RJ BEHAR

2014 – Present

OFFICE LOCATION

Pembroke Pines

PROFESSIONAL REGISTRATIONS

P.E. Florida License No. 85785, 2018

P.E. Puerto Rico License No. 16868, 2011

CERTIFICATIONS:

Final Estimates I & II

QC Manager

Earthwork I & II

Asphalt I & II

TIN#:

S535636684490

FDOT Critical Structures Construction Issues

Radiation Safety Officer

Nuclear Gauge Hazmat Training

Advanced Temporary Traffic Control Plans

RELEVANT ENGINEERING EXPERIENCE:**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.

GTL Regional Wastewater Treatment Facility, Broward County, Florida – City of Fort Lauderdale

Project Manager and Engineer of Record for rehabilitation of the existing Pretreatment Building. RJ Behar visited the jobsite to perform an assessment on all the repairs needed in the GTL Wastewater Treatment Plant specifically the Pretreatment Building and provided corrective actions recommendations for the repairs and included them in a written report. Plans with specific details and required analysis were developed to repair the concrete structural elements and areas that have been damaged or deteriorated.

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

Senior Project Engineer responsible for overseeing construction operations, 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 clearing and grubbing with tree removal for the construction of a proposed pathway between Forest Hill Boulevard and Dillman Road. The construction includes a 12' wide meandering asphalt pathway, 12' wide swale, construction of an irrigation pump system, electrical service for the system, installation of irrigation, landscaping, and sod installation.

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.

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.

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.

L31N Levee Seepage Wall Project and 8.5 SMA Limited Curtain Wall Design, Miami-Dade County, Florida - 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 Engineering During Construction Services.



PROJECT ADMINISTRATOR & SENIOR COMPLIANCE SPECIALIST
GRANT MANAGEMENT ASSISTANT, PUBLIC INVOLVEMENT

**EDUCATION**

High School Graduate, North Miami Senior High School

YEARS OF EXPERIENCE

20 Years

YEARS WITH RJ BEHAR

2008 – 2019 / 2021 – Present

OFFICE LOCATION

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

REVELANT EXPERIENCE:**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.

Continuing Professional Services, Palm Beach County, Florida – City of West Palm Beach

Project Administrator/Compliance Specialist who is reviewing all the project materials including compiling the "Close-out Documents" and the reimbursement documents as required per the LAP Agreement between the City and FDOT; conducting a review of all delivery tickets to ensure they meet FDOT requirements, including FDOT financial project number, concrete mix design, etc. was approved and copies are in the project files; reviewing the project files to ensure Daily Work Reports are on file for each contract day and that they are uploaded into GAP; reviewing the previously paid monthly progress payments and verifying the documentation meets the requirements accurately; reviewing project files for the FDOT Form 700-010-38, Monthly Certification Disbursement of Periodic Payment to Subcontractors; reviewing project files FDOT Form 700-020-02, Monthly Construction Compliance with Specifications and Plans; reviewing the project files for all Over and Under runs of each pay item and ensuring there is adequate documentation to support the quantities paid; reviewing and verifying project files regarding Buy America Certification, and are on file and uploaded into GAP; reviewing the contract time file and ensuring that all contract time was accounted for and meets the contractual requirements. If a time extension was justified and/or granted, all the back-up documentation is on file to grant the time including the concurrence with FDOT's LAP Office; reviewing any major changes in the plans and any extra work was approved or concurs with FDOT LAP office including the City's extra work order; reviewing the Final Payment Application and assisting the City in completing the final reconciliation change order reflecting the final quantities paid and placed per the As-builts; reviewing the As-built plans to validate the current conditions of the project and final quantities paid to the contractor, assisting the City Project Manager in compiling and completing the final reimbursement request to FDOT.

Dillman Trail from Forest Hill Boulevard to Dillman Road LAP Project – Palm Beach County, Florida – City of Greenacres/Florida Department of Transportation (FDOT), District 4

Project Administrator responsible for general instructions regarding assignments and exercising initiative and independent judgment in the solution of work problems, directing and assigning specific tasks to administrative and field staff and assisting in all phases of the construction project, and performing progress estimates and final estimates throughout the construction project duration. This project includes clearing and grubbing and tree removal for the construction of a proposed pathway between Forest Hill Boulevard and Dillman Road. Construction of a 12' wide meandering asphalt pathway and adjacent proposed 12' wide swale, including the construction of an irrigation pump system, electrical service for the system, installation of irrigation, landscaping and sod installation.





LOGAN FASANELLA

SENIOR ROADWAY INSPECTOR

EDUCATION

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

YEARS OF EXPERIENCE

13 Years

YEARS WITH RJ BEHAR

2015 – Present / 2006 – 2010

OFFICE LOCATION

Pembroke Pines

MEMBER: International Municipal Signal Association

CERTIFICATIONS

- 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
- Drilled Shaft
- QC Manager
- PTI Grouting Technician I
- PTI Post Tensioning Technician
- IMSA Traffic Signal Inspector
- IMSA Traffic Signal Technician Level I

TIN #: F254533883350

- 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

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.

Engineering Construction Inspection, Broward County, Florida – City of Pembroke Pines

Senior Inspector. The project includes the citywide pavement and marking inspections at multiple locations. He is responsible for the inspection, observation and documentation of the work performed by the contractor. The projects are miscellaneous services for pavement marking and signing, including poor reflectivity readings; lane lines; edge lines, stop bar, and turn arrows showing similar conditions of poor/inconsistent bead coverage.

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.

Nova Drive Construction Engineering and Inspection (CEI) Services, Broward County, Florida – Town of Davie

Senior Inspector responsible for overseeing the maintenance of traffic schemes and devices in work zones; monitoring the Contractor's work and assuring that the Contractor is conducting inspections, preparing reports, and monitoring all stormwater pollution prevention measures associated with the project; reviewing and monitoring compliance with drawings, contract documents, and technical specifications; maintaining complete and accurate records of all activities and events relating to the Project; properly documenting all significant Project changes; interpreting plans, specifications, and construction contract provisions; and maintaining an adequate level of surveillance of the Contractor's activities.

Commercial Boulevard and Rock Island Road, Broward County, Florida – FDOT, District 4

Inspector who shadowed the Senior Inspector who oversaw all the drilled shafts for four mast arm signal poles, replacing span wire signalization for mast arm poles including all electrical, new controls, new pull boxes, etc.





Lionel Raya, PE – Chief Executive Officer, President

Lionel Raya has over thirty-eight (38) years of experience providing environmental, process and mechanical engineering services to both the private and public sectors, including pharmaceutical, industrial, and water and wastewater facilities. His experience includes Process Mechanical design of facilities and utilities, wastewater treatment facilities, HVAC, plumbing, piping, instrumentation, and fire protection. In the public sector, Mr. Raya has led the design effort for several facilities in Puerto Rico and Florida as the Engineer of Record and Qualifier for the firms he represents. This includes regional facilities and municipal systems. In the pharmaceutical industry, Mr. Raya has worked as design lead engineer of record for projects related to manufacturing, packaging, industrial laboratories, and utility buildings.

Project Availability: Full time

Years with the Firm: 8 years

Role: Design Project Manager



MOST RELEVANT PROJECTS:

- **WASD, Miami Dade County, FL**
 - SDWWTP OOL Upgrade Project – Design of Grit Chamber No. 3 with 86 MGD capacity.
 - Design of HW3 Process Drain Lift Station for SDWWTP OOL Upgrade Project.
 - Plant Water (NPW) Distribution Hydraulic Model and Study for the WASD South District WWTP facility under the OOL Upgrade Project to establish areas of improvement in the facility.
 - Design of Fuel Storage Areas for new Electrical Distribution Buildings 2 and 3 for the Miami Dade WASD Central District WWTP.
- **PRASA Wastewater Systems, Island wide, PR**
 - Several waste treatment facilities needed rehabilitation under an EPA Court Order. This required PRASA to develop an aggressive plan to improve performance of treatment facilities operations. These include:
 - Puerto Nuevo Regional WWTP – Grit Chambers and Settling tanks rehabilitation.
 - Carolina Regional WWTP – Primary Settling Tanks rehabilitation (Traveling Bridges)
 - Bayamon Regional WWTP – Grit Chambers and Primary Settling Tanks rehabilitation.
 - Guayama Region WWTP facilities – Overall rehabilitation of several secondary plants.
- **Barceloneta Regional WWTP, Barceloneta, PR**
 - Led the design for the rehabilitation of the 8.33 MGD regional secondary treatment facility under the direction of both PRASA and the Pharmaceutical Industries Consortium. It included the replacement of influent pumps, controls, intermediate transfer screw pumps, sludge drying facilities and overall aeration system. It also included the development of the plant wide controls scheme.
- **Roche Operations Ltd., Ponce, PR**
 - Design of Stormwater Collection Network with several Lift Stations.
 - Assisted in the development of five (5) years Master Plan for the Puerto Rico facility. Created and developed each stage drawing for the facility management.
 - Worked in past two years multi discipline design projects in the facility including modifications to loading dock for more operational space.
 - Created the facility Master Drawings for each discipline.
 - Design of pH Neutralization System for the facility discharge
 - Design of New Command Center
 - Design of Fire Protection system modifications

Education:

- B.S. – Chemical Engineering University of Puerto Rico

Professional Organizations:

- Florida PE License 79740
- Puerto Rico PE License No. 10254
- Puerto Rico College of Engineers & Surveyors
- Pennsylvania PE License 084022
- Texas PE License 141356



RAJ KRISHNASAMY, P.E.

**President, Principal
Engineer**

30% Availability

**37 Years of Professional
Experience / 21 Years
with TSFGeo**



Education

MS in Geotechnical
Engineering, University of
Memphis 1995

BS in Civil Engineering,
Christian Brothers University
1987

Diploma, Electronic
Engineering, Malaysian Air
Force Institute, 1984

Professional Organization and Registration

Professional Engineer:
Florida, 53567

Water Well Contractor,
Florida, 11346

Certified OSHA Supervisor

Certified Environmental
Consultant

Professional Experience

Mr. Raj Krishnasamy, P.E., President and Principal Engineer of TSFGeo, is a Florida Registered Geotechnical Engineer with over 37 years of experience. Mr. Krishnasamy oversees the geotechnical engineering, construction materials testing, and inspection services operations. His experience consists of successfully completing over 7,500 public and private projects. He serves as Project Manager for continuing contracts with over 20 Florida public agencies. He has a history of repeatedly retaining those contracts through successful, cost-effective, and prompt execution of each task order. Mr. Krishnasamy's daily involvement with the in-house and field operations of the construction and geotechnical services departments provides him the "hands-on" experience and knowledge of current construction codes and construction practices throughout the State of Florida. Mr. Krishnasamy and his highly experienced team focus on providing the client with a consistently accurate, cost-effective quality product that is delivered on time and within budget.

Abbreviated Project Experience

- Hollywood Seminole Indian Reservation Stormwater Master Planning Hollywood, Florida
- Hollywood Utility Infrastructure Improvements Phase 1, Broward County, Florida
- Upgrades to Sanitary Sewer Lift Station No. E-08, Hollywood, Florida
- Design and Construction for Backup Power Generators, Sewer Lift Station E-1, Hollywood, Florida
- Sewer Lift Station W-14, Hollywood, Florida
- Sewer Lift Station W-15, Hollywood, Florida
- 54-inch Force Main, Broward County, Florida
- Sewer Lift Station E-1, Hollywood, Florida
- Pump Station #8 Replacement, Hallandale Beach, Florida
- Pump Station Improvements at C-1, C-2 and A-16, Fort Lauderdale, Florida
- Pump Station A-13, Fort Lauderdale, Florida
- S-45 Pump Station, Broward County, Florida
- Rehabilitation and Upgrade of Triplex Pumping Stations, Fort Lauderdale, Florida
- Broward County Water-Waste System BCWWS # 104538 Davis Isles New Sewer and Water Main Replacement, Fort Lauderdale, Florida
- Pump Station 8 Replacement, Hallandale Beach, Florida
- Inverrary Bridge Force Main Relocation, Sunrise, Florida
- Pines Village Water Main Improvements Phase II & Septic Tank Conversion, City of Pembroke Pines, Florida
- Miramar Wastewater Reclamation Facility Expansion, Miramar, Florida
- Hector Park Stormwater, Fort Lauderdale, Florida
- Copans Road Wastewater Replacement Project, Coconut Creek, Florida
- Broward County Water-Waste System BCWWS #104538 Davis Isles, Fort Lauderdale, Florida

Roberto has extensive experience leading and performing surveying and mapping assignments, including boundary, hydrographic, topographic, construction layout, ROW, GPS, route, sectional, cadastral, environmental (including stormwater, mitigation, and sewer utilities), and geodetic control surveys; GIS; and CADD. A cornerstone of Roberto's professional engagements is his familiarity collaborating with municipal entities, including the City of Hollywood, Miami Beach, Miami, Coral Gables, Doral, the Town of Medley, and various other municipalities within Miami-Dade County and the State of Florida. His responsibilities include daily operations, supervising and coordinating office and field personnel, and serving as a liaison and contract negotiator with clients and subcontractors. Roberto's ability to identify technically complex issues and convey solutions to multiple project teams makes him an ideal project manager who can execute surveying and mapping tasks on time and within budget.

RELEVANT EXPERIENCE

Pembroke Road Water Line Improvements Design Services, Broward County, City of Hollywood, Project Manager. Roberto served as project manager for 11 units of topographic survey for infrastructure right-of-way and determination improvements. The project required geodetic control and mobile lidar was used to acquire field data in record time, which allowed the City to complete the project on schedule.

Winston Park Plaza and St. Andrews Traffic Signal Design Services, Broward County, FL, City of Coconut Creek, Senior Surveyor. Roberto served as senior surveyor for this project which required topographic survey utilizing laser scanning to obtain roadway details in 3D for traffic signal design.

Taft and Sheridan Street Water Main Improvements, Broward County, FL, City of Hollywood, Project Manager. As part of the water main improvement program between Taft Street and Sheridan Street west of the Florida Turnpike, Roberto performed an eight-mile survey of the public right-of-way. He employed an integrated approach using state-of-the-art GPS and high-definition scanning (HDS) survey techniques. This survey effort provided the City with a thorough survey depicting all visible surface improvements and detailed digital terrain models (DTM) of the project right-of-way, including the underground designation of existing utilities.

General Land Surveying and Mapping Service Contract, Miami-Dade County, FL, Miami-Dade Water and Sewer Department, Project Manager. As project manager, Roberto directed multiple task orders that included boundary, topographic survey, and subsurface utility engineering (SUE). Projects were executed utilizing an integrated approach of terrestrial mobile mapping (TML), aerial lidar, bathymetric surveys, and the latest Raptor high-speed 3D-ground penetrating radar technology for SUE.

Hard Rock Café and Hollywood Reservation Loop Distribution Water Main Design Services, Broward, County, FL, Seminole Tribe of Florida, Principal Surveyor. Roberto has served as the Seminole Tribe's surveyor for over 15 years and has performed boundary and topographic surveys for Tribal lands throughout Broward County. He was engaged in 9 miles of route mapping for water main improvements on or adjacent to the reservation lands. This project was performed in conjunction with the City of Hollywood water main route surveys and included data collection using mobile lidar technology.

6th Street Topographic Survey, Miami-Dade County, FL, City of Miami Beach Department of Public Works, Principal Surveyor. Roberto was the principal surveyor for this topographic surveying and mapping project for proposed street drainage improvements for more than 5 miles of municipal streets for residential and commercial areas, including West 6th Street and Alton Road. These surveys were conducted using conventional and electronic means, including the use of high-definition surveying (HDS) techniques.



**Roberto
Mantecon, PSM**

REGISTRATIONS:

Professional
Surveyor/Mapper: Florida
#LS4431, 1987

EDUCATION:

Land Surveying Program -
Miami-Dade Community
College

CERTIFICATIONS:

OSHA 10-Hour Construction
Safety and Health

YEARS OF EXPERIENCE:

TOTAL: 47

WITH WGI: 3

Eric is focused on delivering inspired and innovative design solutions. His approach is rooted in the collaborative design process leveraging technology, meaningful architectural expression through sound technical detailing, and thoughtful consulting. His experience includes comprehensive architectural design, project/program management, space planning and building programming, feasibility analysis, safety and security integration, and implementation of Building Information Modeling (BIM), visualization, and other industry technology. Eric exhibits the attention to detail and organizational qualities necessary to successfully deliver. Eric has managed various project types of all sizes, scopes, and complexities within the transportation, industrial, commercial, municipal, healthcare, recreational and educational markets.

PUBLICATIONS

White Paper, “Safe and Secure: How to Secure Your Facility Without Creating the Feeling of a Fortress.”

<https://wginc.com/safe-and-secure-the-vital-protection-of-people-and-places-remains-a-primary-objective-for-infrastructure-professionals/>

RELEVANT EXPERIENCE

Tribal-Wide Design Guidelines for Vertical Projects, Broward County, FL, Seminole Tribe of Florida, Project Manager.

Continuing Professional Services – Architecture, City of Lake Worth Beach, FL, Project Manager / Project Architect.

Water Plant Roof Storm Hardening

City Hall Annex Assessment and BIM Model

Continuing Professional Services, Palm Beach County, Task Manager / Project Architect.

PBCWUD Improvements to Master Repump Station 9 North

Water Utilities Pump Station A Roof Replacement

Continuing Professional Services, Town of Jupiter, Project Architect.

Cinquez Park & Piatt Place Fire Station Design Criteria Packages

Water Treatment Plant FEMA P-361 Safe Room Peer Review

Continuing Professional Services, City of Delray Beach, Project Manager / Project Architect.

Fire Station 111 Hurricane Hardening

Fire Rescue Department Masterplan for Stations 111, 112, 114, 115 and Ocean Rescue

Ocean Rescue HQ Space Planning and Feasibility Study

Continuing Professional Services, Various Locations, Florida Department of Environmental Protection, Project Architect.

Marjory Stoneman Douglas Structural and Life Safety Assessment

Barnacle House Pavilion

Fixed Capital Outlay (FCO) Architectural Services, FDOT Central Office, Project Manager / Project Architect.

District 1 Headquarters Conference Center Reconstruction

District 5 Brevard Operations Center

Lone Hollow Ranch Water Improvement Plan Phase 1, Bandera County, TX, Young Life Camp, Project Architect.



**Eric
Luttmann, AIA,
NCARB**

REGISTRATIONS:

Registered Architect: FL, #AR97111, 2014

Interior Designer: FL, #ID6580, 2019

EDUCATION:

Master of Arts, Architecture – University of South Florida, 2008

AFFILIATIONS:

American Institute of Architects (AIA)

National Council of Architectural Registration Boards (NCARB)

COMMUNITY:

Ace Mentor – Tampa Bay, 2021-Current

University of South Florida Customer Experience Steering Committee, 2021-2022

YEARS OF EXPERIENCE

TOTAL: 17

WITH WGI: 7

PERCENTAGE OF TIME TO BE ASSIGNED: 50%

TAB D - Organizational Profile Project Team Qualifications

D.4 – Project Team Qualifications

Jossmel Cruz García, MS, PE – Project Manager. Mr. Cruz Garcia is a civil engineer with a master's degree in structural engineering. He has over seven years of structural design experience. 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, and holds special qualifications of the Florida Building Code, 8th Edition (2024) and Civil (2023). 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. Mr. Cruz has water control and water resources structures experience as well as experience in vertical design projects. His experience includes structural modifications, rehabilitations, and replacements of pump stations. Projects also include privacy walls, storage facilities, vehicle and pedestrian bridge design and/or inspections. He has experience working with cities, counties, SFWMD and FDOT. Training includes FDOT Specifications Package Preparation Training for Consultants, 2022, LRFD Design of Common Bridge Elements: Decks and Bearings, 2022, Bridge Development Report (BDR) Development Overview, 2020, General Superstructure Design Considerations, 2020, GFRP-Prestressed Concrete Designer, Training for Bridges and Structures, 2020, and LRFD Steel I-Girder Details Design, 2020.

Carmelo J. Ramos, MS, PE – Electrical Engineering. 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 13 years of experience. 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. His engineering experience includes design of electrical components/controls of water control facilities, pump stations, wastewater transmissions, generators and lighting designs. Training includes Florida Building Code, Florida 471, Project Management, Lean Six Sigma Green Belt, Lead Testing Engineer, NFPA 70E, OSHA Training.

Hans Murzi, PE, MS, CFM – Project Engineer / Design. He has 22 years of 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 civil, roadway drainage design, drainage field inspections, drainage plan reviews and QA/QC of water resources models and drainage reports, environmental permitting, utility coordination. 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 a 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.** Currently, he is providing services for a sanitary pump station and stormwater pump stations for the City of Coconut Creek.

Nestor Santana, PE – Construction Management & Inspection Services/Project Estimator. Mr. Santana has 28 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. **He is a CTQP Certified with FDOT.**

Stacy Sookdew-Sing – Grant Management/Public Involvement. Ms. Sookdew-Sing has more than 20 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 invoices utilizing the appropriate electronic data management system for each task.

Logan Fasanella – Senior Inspector. Mr. Fasanella has 12 years of construction inspection 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 is Stormwater Manager Inspector.**

Working Relationship: Mr. Jossmel Cruz García, PE, our proposed project manager, has an excellent working relationship alongside **RJ Behar's** teammates and as well as with our subconsultants who are teaming up for this response. Mr. Cruz García has demonstrated his professionalism and technical capabilities to bring this contract to a successful completion. Some of the projects in which he has worked together include *Hook Square Pump House Replacement (City of Miami Springs)*, *Riverview Pump Station New Generator Post Design Services (City of Miami)*, *S-135 By-pass Culvert and Dike Repairs (SFWMD)*, *Cypress Weir 1 (Gold4A) Relocation Design (SFWMD)*, *Lakeside Community Hurricane Damage Repair (Town of Medley)*, *GTL off-site Deep Well Injection Wells Improvements (City of Fort Lauderdale)*, among others.

Subconsultant Staff

CARDOZA Engineering, Inc. – Lionel Raya, PE – President, Chief Operations Officer and Design Manager. He oversees design and consulting operations, specializing in hydraulics, water and wastewater facilities design and upgrade. He is a Mechanical Engineer with 38 years of experience providing environmental, process and mechanical engineering services to both the private and public sectors, including pharmaceutical, industrial, and water and wastewater facilities. His experience includes process mechanical design of facilities and utilities, wastewater treatment facilities, HVAC, plumbing, piping, instrumentation, and fire protection.

TSFGeo, Inc. – Raj Krishnasamy, PE is the President and Principal Engineer of **TSFGeo**. With more than three decades of professional engineering experience, he inspires his highly experienced team to focus on providing consistently accurate, cost-effective, quality service that is delivered on time and within budget. He has extensive experience as Project Manager and QA/QC Officer for geotechnical engineering and CMT projects and has successfully completed over 5,000 public and private projects that includes 175 Express Segments A, B, C and D, FDOT projects, and Fort Lauderdale-Hollywood International Airport's South Runway Expansion (featuring the largest MSE wall in Florida).

WGI Inc. – Roberto Mantecon, PSM – Senior Operations Manager – he has 47 years of experience in experience leading and performing surveying and mapping assignments, including boundary, hydrographic, topographic, construction layout, ROW, GPS, route, sectional, cadastral, environmental (including stormwater, mitigation, and sewer utilities), and geodetic control surveys; GIS; and CADD. His extensive municipal experience.

Randolph "Randy" Ortega, PSM has eight years of experience. Mr. Ortega upholds the highest standards of accuracy and professionalism in every aspect of our surveying endeavors. Whether it's conducting boundary surveys, topographic mapping, or right-of-way acquisitions, his commitment to precision remains unwavering. By leveraging cutting-edge technology and innovative methodologies, he strives to deliver results that exceed client expectations and set new industry benchmarks.

Eric Luttmann, AIA, NCARB – Director, Architecture – he has 17 years of experience as a licensed architect, including comprehensive architectural design, project/program management, space planning and building programming, feasibility analysis, safety and security integration, and implementation of Building Information Modeling (BIM), visualization, and other industry technology.



TAB E:

Approach to Scope of Work



R.J.Behar

TAB E – Approach to Scope of Work

Understanding of the City Needs to Upgrade the Influent Pump Station

As described in the project description of this RFQ, the City of Hollywood needs to replace the Influent Pump Station at the South Regional Treatment Plant. The work will consist of design, construction management and inspection services, as requested by the City. Since the pump station was installed in 1968, it has been updated only in 2022, there is indeed the need for an important improvement. At this point the pump station is obsolete and needs an upgrade and rehabilitation to provide the services required for a much-needed area of service, taking into consideration the City's population has increased considerably, and the City's infrastructure needs improved services for its citizens.

The purpose of the City of Hollywood is to hire a qualified firm to provide engineering design, permitting, construction management and inspection services. The project may be funded entirely or in part by State funds. **RJ Behar** understands the governmental processes for these types of contracts. We have experience working with Community Development Block Grant (CDBG), Florida Department of Transportation (FDOT) Local Agency Program (LAP), 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. **RJ Behar** will require that the selected contractor comply with all contract conditions. At **RJ Behar**, we specialize in working with LAP Funded Projects in various cities and towns throughout South Florida. We are also FDOT Certified for Work Type 10.1.

GOALS AND OBJECTIVES

Our primary objective is to support the City by providing a highly skilled team of professionals capable of delivering the necessary design engineering to upgrade the Influent Pump Station. **RJ Behar** will ensure effective project management through detailed scheduling, proactive coordination with utility owners, and consistent communication with the City's Project Manager, keeping them informed of progress through regular emails, phone calls, and meetings. Our services will include the preparation of plans, specifications, cost estimates, and bid assistance. Once construction begins, we will maintain comprehensive project documentation, including monthly status reports, daily work reports (DWR) with detailed photographs, and active oversight of safety measures to protect workers and minimize impacts to the wastewater treatment plant. We will also ensure seamless coordination between the City, the contractor, and stakeholders through public involvement efforts and timely communication. Our approach emphasizes adherence to all applicable codes and standards, including the Florida Building Code, contract requirements, and ADA compliance, supported by a robust quality control and assurance program. We will establish a material certification process at the project's outset and ensure accurate submittals of final estimates and close-out packages, delivering a project that is completed on time, within budget, and to the highest standards of quality and compliance.

Approach to Performing the Work/Approach and Methodology

A Professional Consulting Services project for a municipality is very challenging, therefore, **RJ Behar** is prepared to be responsive and flexible in meeting the City's requirements and scheduling methodology and committing all our resources to achieve this goal. To accomplish these objectives, **RJ Behar** will:

- **Assemble** a project team whose experience specifically matches the services requested in the scope of services.
- Establish a **Project Schedule**, which is to be monitored by the Project Manager.
- Maintain strict **Coordination** with our in-house staff, the City's Staff, and stakeholders.
- Adhere to our in-house **Quality Assurance** program.
- Identify **Project Issues** by scheduling field reviews, a kick-off meeting and begin data collection early in the project.
- Maintain a pro-active management philosophy and minimize the City's involvement throughout the project.

DESIGN

RJ Behar's approach to the rehabilitation and upgrade of the South Regional Wastewater Treatment Plant (SRWWTP). The Influent Pump Station is centered on a comprehensive and integrated design strategy that addresses five key



areas: structural repairs, mechanical system upgrades, electrical system modernization, the evaluation and rehabilitation of the 72-inch pipe and split box, and the development of an additional building area for Variable Frequency Drives (VFDs). Each of these components will be evaluated and detailed to ensure the project achieves optimum functionality, efficiency, and sustainability.

Structural repairs will focus on restoring and strengthening the integrity of the pump station's existing infrastructure to meet current and future demands. Mechanical upgrades, led by **Cardozo Engineering** under **RJ Behar's Team**, will replace aging pumps, HVAC systems, and other critical equipment with energy-efficient and reliable models. Electrical modernization will involve the integration of advanced systems such as VFDs and updated control technologies to improve energy efficiency and operational flexibility. Additionally, the new building area will be designed to house these modern systems, ensuring scalability for future requirements while optimizing space utilization and functionality.

In addition to addressing the primary structural, mechanical, and electrical components, our team will thoroughly evaluate the condition of the 72-inch pipe and split box to identify any necessary repairs and ensure their long-term operational reliability. For the building addition, our team will collaborate with **WGI** and **TSFGeo** to address the required survey, architectural, and geotechnical needs. This coordinated approach ensures that all aspects of the project are seamlessly integrated, providing a robust and forward-thinking solution that meets the City's needs. Each of these areas will be explored in detail, providing a clear roadmap for the successful execution of the project.



Structural Rehabilitation and Evaluation Approach

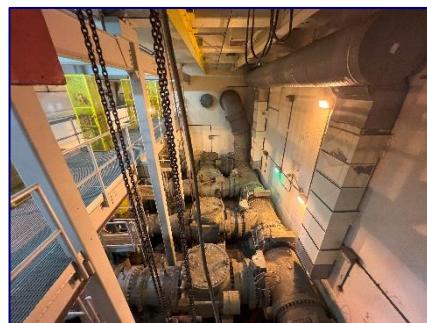


The structural rehabilitation of the Influent Pump Station will focus on restoring and strengthening the integrity of the facility to meet current and future demands. The process begins with a comprehensive evaluation of the site, including inspections of the pump station, wet well, and surrounding platforms to identify cracks, corrosion in reinforcing steel, and other deficiencies. Sustainable and durable materials, such as stainless steel or aluminum platforms, will replace corroded components to enhance longevity and reduce maintenance needs. Repairs will include epoxy injections for structural cracks, high-strength mortars for spalled concrete, and potential cathodic protection systems to safeguard reinforcing steel. Fiber Reinforced Polymer (FRP) wraps

or plates will reinforce load-bearing elements, while waterproof coatings will protect wet well surfaces from water intrusion and chemical attacks. Additionally, hydraulic performance will be optimized through flow evaluations and potential design modifications. These measures ensure a robust, sustainable, and future-proofed structural foundation for the upgraded pump station. The approach incorporates lessons learned from projects like the South Florida Water Management District's (SFWMD) S40, S41 and S44 Rehabilitation Project and City of Fort Lauderdale's Pump Station D-36, emphasizing long-term resilience and operational reliability.

Mechanical Approach for the Project

The mechanical design and rehabilitation, led by **Cardozo Engineering**, will address all mechanical systems within the Influent Pump Station, including pumps, HVAC, and ancillary equipment. The project begins with evaluating the current condition of the mechanical systems to identify components requiring replacement or upgrades. Energy-efficient pumps will be selected to handle both current and future flow requirements, ensuring operational reliability and reduced energy consumption. The design will incorporate VFDs to enable real-time speed adjustments based on demand, while hydraulic calculations will



ensure the systems meet capacity needs. HVAC systems and piping will be redesigned to align with updated layouts and efficiency goals. Coordination with electrical and structural teams will guarantee seamless integration and support during installation. Comprehensive documentation, including design drawings, cost estimates, and operational guidelines, will ensure transparency and adherence to the City's requirements.



Electrical Approach for the Project

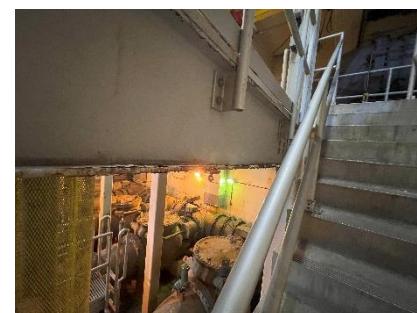
The electrical upgrades for the pump station will modernize outdated systems to ensure reliable, efficient operations while supporting new mechanical and HVAC components. Advanced VFDs will be integrated to optimize energy usage by adjusting motor speeds to match real-time demands.

Electrical infrastructure, including panels, transformers, and wiring, will be replaced to comply with NEC, FBC 2023, and IEEE standards. The design will include features to mitigate harmonics, provide surge protection, and enhance system reliability. A new building area will house a modernized electrical system, incorporating scalable designs to accommodate future growth. Smart connectivity features, such as SCADA integration and Bluetooth-enabled diagnostics, will enhance monitoring and operational flexibility. Sustainability will be a key focus, with energy-efficient systems reducing operational costs and ensuring compliance with the City's environmental goals.



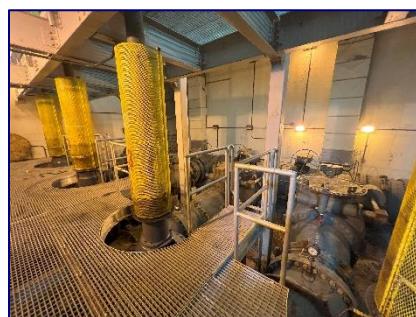
72-inch Pipe and Split Box Approach

The evaluation and rehabilitation of the 72-inch pipe and split box will ensure their structural and hydraulic integrity. Advanced condition assessments, including CCTV inspection (if necessary) and hydraulic modeling, will identify deficiencies and guide repairs. Leveraging proven techniques from past SFWMD and United States Army Corps of Engineers (USACE) projects, Cured-In-Place Pipe (CIPP) lining will be used to create a seamless, corrosion-resistant structure. This trenchless method minimizes disruption while extending the pipe's service life. Repairs to the split box will include high-strength mortars for structural integrity and protective coatings for chemical resistance. This approach ensures minimal operational impact while delivering a durable and efficient solution.



Additional Building Area Approach

The design of the additional building area will begin with a comprehensive assessment of site conditions to ensure resilience against environmental challenges. Compliance with Broward County's Sea-level Rise Ordinance will be prioritized by elevating the building above projected future flood levels, mitigating risks from storm surges, and rising sea levels. Furthermore, the building's floor elevation will be established at or above FEMA's 100-year flood level, aligning with federal floodplain management regulations to reduce flood risk and enhance the structure's resilience. Geotechnical investigations, conducted in collaboration with [TSFGeo](#), will evaluate soil stability and bearing capacity, ensuring the foundation is robust and capable of withstanding site-specific challenges such as subsidence or differential settlement.



The building will incorporate design features that ensure functionality, durability, and adaptability. Durable, corrosion-resistant materials will be used to combat the harsh coastal environment, extending the lifespan of the structure while minimizing maintenance requirements. The layout will be scalable, providing ample space for current VFDs and allowing for future expansions to accommodate additional systems. Floodproofing measures, such as elevated platforms for critical equipment, watertight doors, and sealed

utility penetrations, will be integrated to protect the building from potential flooding. Advanced HVAC systems will be installed to maintain optimal temperatures for high-power-density VFD units, ensuring reliability and operational efficiency.

The design will prioritize efficient utility access and seamless integration of electrical systems. Utility connections will be strategically planned to minimize disruptions during construction and facilitate ongoing maintenance. Electrical conduits and panels will be elevated to prevent water intrusion during extreme weather events, enhancing the reliability of the systems housed within the building. Safe and convenient access points for personnel will be incorporated into the design, adhering to ADA compliance standards and ensuring operational safety during routine and emergency operations.



Sustainability will be a core focus of the building design, with energy-efficient systems such as LED lighting, low-energy HVAC units, and renewable energy compatibility integrated into the facility per the City approval. Environmental impact during construction and operation will be minimized, aligning with the City's sustainability goals and demonstrating a commitment to responsible infrastructure development. These measures will ensure the building operates efficiently while contributing to the City's broader climate resilience efforts.

The **RJ Behar Team**, in collaboration with **WGI** and **TSFGeo**, will ensure seamless integration of all architectural, geotechnical, and survey requirements into the building's design. This collaboration will address site-specific constraints while maintaining compliance with all applicable regulations, including Broward County ordinances and FEMA guidelines. Through meticulous coordination, the additional building area will meet the highest standards of resilience, functionality, and regulatory compliance, ensuring its reliability and adaptability for future needs.



Construction Phasing and Implementation

To ensure minimal disruption to ongoing operations, the rehabilitation and upgrade of the Influent Pump Station will be executed in a phased approach. Each phase will be carefully planned to address the structural, mechanical, electrical, 72-inch pipe and split box rehabilitation, and additional building area components sequentially. Initial phases will prioritize critical repairs and assessments, such as site evaluations, condition assessments, and geotechnical investigations, to lay a solid foundation for subsequent construction activities. The replacement and installation of pumps, HVAC systems, VFDs, and other key equipment will be scheduled during low-demand periods to minimize operational interruptions. A temporary bypass pumping system will be designed to divert wastewater flow during construction, allowing rehabilitation work to proceed without interrupting operations, which will minimize downtime and ensure that the pump station remains functional throughout the project. The additional building area will be constructed

with parallel coordination among structural, electrical, and geotechnical teams to optimize resources and timelines. Final phases will focus on system integration, testing, and commissioning, ensuring all upgraded systems meet performance, compliance, and sustainability objectives. This phased approach will maintain continuity of operations, safeguard workers and the environment, and deliver the project efficiently and effectively.



RJ Behar's team approach to the rehabilitation and upgrade of the SRWWTP Influent Pump Station reflects a commitment to excellence, innovation, and sustainability. By addressing the project's structural, mechanical, electrical, and infrastructure needs in an integrated manner,

we will deliver a facility that meets the City's immediate operational requirements while preparing for future challenges. Leveraging the expertise of **Cardozo**, **WGI**, **TSFGeo**, and **RJ Behar's** leadership in multidisciplinary project

management, we will ensure a seamless execution from design through construction. Our focus on energy efficiency, regulatory compliance, and environmental resilience guarantees that the upgraded pump station will serve the City effectively for years to come, providing a reliable and sustainable solution tailored to the community's needs.

PERMIT EXPERIENCE

RJ Behar has extensive experience with permitting water and sewer, drainage, roadway, and many other types of projects. Our experience has been enhanced while providing similar services to municipal, county and state clientele. The relevant agencies and types of permits in which **RJ Behar's Staff** have been involved include:

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP):

We are well-versed in submitting reports and permit packages to the FDEP. We have submitted engineering reports on several of our projects and coordinated with their staff in pre-application meetings, field reviews, follow up meetings, and comment resolution meetings. We have prepared and obtained several types of permits with the FDEP. Some of the types of permits include:

- Application for a Specific Permit to Construct Potable Water System Components (DEP Form 62-555.900(1))
- Notice of Intent to use the General Permit for Construction of Water Main Extensions of PWS's
- Environmental Resource Permits (ERP) for Wetlands Permitting and Mitigation Bank Permitting
- Coastal Construction Line Permitting (CCL)
- ERP for Surface Water Permitting
- Class V Injection Well Permitting for Stormwater Injection Wells
- Permitting of Supply and Discharge wells for Air Conditioning System – General Permit Class V, Group 1 Wells
- National Pollutant Discharge Elimination System (NPDES), NPDES Stormwater Permitting Program
- State Section 404 Program, for navigable waters delegated from the USACE.

In the City of Hollywood, to obtain the signature of the Director of Public Utilities for the submittal of FDEP Water and Wastewater Permit applications, we must email Alicia Verea-Feria at averea-feria@hollywoodfl.org for processing and the Director's signature.

An example of our involvement with permitting systems for the FDEP is the City of Miami Beach Convention Center Chiller Upgrade where we designed the underground piping, the supply and discharge wells, and the Police Station wells. **RJ Behar** prepared all site plans and permit packages for the supply and injection wells. Our Coconut Creek Reclaimed Waterline Extension also required coordination and permitting with FDEP. For the I-95 Stormwater Pump Station project, **RJ Behar** prepared the Stormwater Pollution Prevention Plan (SWPPP) as well as civil site plans. The project included construction of a 120 cfs pump station, large diameter gravity, as well as force mains, microtunneling under I-95, Pembroke Road and the CSX railroad, construction of large ditch, large box culvert and Canal C-10 dredging. We also completed a SWPPP and NOI submittal as part of the NPDES permit for the Installation of Water Services for the Consumer Line Relocation Program Phase 2A District 2 for Miami-Dade WASD.



FLORIDA DEPARTMENT OF TRANSPORTATION:

The FDOT requires permits for roadway, utility and site development projects which connect to or cross an FDOT designated roadway. Many of our staff members are former FDOT employees and are very familiar with FDOT Standards and Specifications. A utility permit is required for installation of utilities within an FDOT right-of-way. On our Coconut Creek Reclaimed Waterline Extension Project, **RJ Behar** contacted and met with the Florida Turnpike's Staff regarding the permit requirements and procedures for the crossing under the Sawgrass Expressway overpass. The permit application and instructions were contained in the website along with the FDOT Utility Accommodation

Manual (UAM). The project required a General Use Permit and a Utility Permit. These permits can be applied for either electronically or with hard copies. The design and specification requirements for the permit are governed by the UAM. During the rehabilitation of the BCWWS Biscayne Aquifer Water Wells no. 8 and 9, located in District 2, the well development and testing required large volumes of water to be discharged from the well to the local stormwater system. We coordinated and reported on the requirements and permitting needed from the FDOT to accept the dewatering flows from the wells.

BROWARD COUNTY PUBLIC WORKS DEPARTMENT, HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION:

When a project crosses a County road, the project will require a permit from the County Highway Construction and Engineering Division. **RJ Behar** will contact and schedule a meeting with the division to discuss design methodology, coordination efforts and permit requirements that could impact the project. The project will have to follow the BCTED Pavement Marking Details and the Pavement Marking and Signing Inspection Procedure. The project may also need to be reviewed by the Traffic Division if traffic signals, communications, and/or fiber optic interconnects are impacted.

CITY PUBLIC WORKS DEPARTMENTS AND FIRE RESCUE/DEPARTMENT:

Public Works Departments require consultation and permitting when a project impacts their right-of-way. Often a permit is required for cutting and patching a roadway for utility installations and in many cases the Temporary Traffic Control Plans (TTCP) require approval before construction starts. **RJ Behar** has obtained permits from many municipalities and from County agencies for utility projects, such as neighborhood improvement projects. Our West Avenue Improvement Project included permitting with City of Miami Beach Public Works, Fire Department, Miami-Dade County and the FDEP. One issue we had to address was the installation of pipelines near contaminated areas.

WASTEWATER PERMITTING:

In Broward County, the Domestic Wastewater Program is responsible for licensing all construction of community domestic wastewater collection system expansion and wastewater treatment facilities as delegated by the FDEP and as required under Broward County Code of Ordinances, Chapter 27, Article V. **RJ Behar** has submitted and obtained permits for force main systems relocations as part of a roadway project, septic tank conversions to sanitary sewer system, wastewater collection systems as part of Neighborhood Improvement Projects (NIP) and sanitary lift stations for NIPs.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD):

This agency permits all activities related to stormwater management systems and environmental resource (dredge and fill) activities. They also permit consumptive use and work within the District's right-of-way. **RJ Behar** has permitted and worked closely with the SFWMD. The types of relevant permits that we have completed include:

- Environmental Resource Permits include wetland and surface water impacts; surface water/stormwater management, general as well as individual permits; and modification of existing permits.
- Consumptive Water Use Permits for irrigation systems as well as dewatering permits
- Right-of-way is required prior to connecting with, placing structures in or across, discharging into or making use of the canal and levee system or "Works of the District" and certain other canals and Works. These typically included bridges, pipelines, outfalls, guardrails, culverts, and other features.

Our Broward County Water Wastewater C-12 and C-13 Interconnect Project included permitting with FDOT, a SFWMD Dewatering permit, a SFWMD Right-of-Way Occupancy, and the USACE.

U.S. ARMY CORP OF ENGINEERS:

The Corps evaluates permit applications for essentially all construction activities that occur in the Nation's waters, including wetlands. Some project areas have been delegated to the FDEP, but the USACE has kept reviews over areas that are affected by tidal conditions among others. Any person, firm, or agency (including Federal, state, and local government agencies) planning to work in navigable waters of the United States, or discharge (dump, place,



deposit) dredged or fill material in waters of the United States, including wetlands, must first obtain a permit from the Corps of Engineers. We have coordinated nationwide permits, general permits, as well as individual permits for projects affecting wetlands and in particular, tidal/estuarine systems. **RJ Behar** has also designed mitigation sites as part of wetland permitting activities. Any work that affects the main South Florida canals requires a Section 408 review.

MANAGEMENT

RJ Behar has 13 Professional Engineers and 36 employees available to assist the City of Hollywood. Please refer to our team organization chart as well as their individual qualifications under Organizational Profile and Project Team Qualifications – Tab D. During the early stages of project development, **RJ Behar** will seek to obtain input from the City's Staff and end users. Regardless of the goals, input during early development will ensure that a quality product is delivered to the City. **RJ Behar** will also seek to define the cost of all the goals identified and provide the City with a preliminary cost estimate to validate programmed funding within the City's budget process. **RJ Behar** understands the need to provide accurate cost estimates for the development of capital improvement budgeting.

Our management approach is to meet with the City's Manager and thoroughly integrate our procedures with that of the City and their process. **RJ Behar's** project approach is as follows:

1. The Principal-in-Charge is responsible for the overall successful completion, in terms of quality, timeliness, and budget. **Mr. Robert J. Behar, PE**, will serve as Principal-in-Charge. He is the firms' president, CEO and quality control officer.
2. The Project Manager is responsible for the preparation of the scope of services, procedures, staffing, work plan, schedules, estimated fee, and will have direct responsibility for task completion. **Mr. Jossmel Cruz García, PE** will serve as the Project Manager.
3. Once the City issues NTP, our team will be assembled for the specific task. The team will include those disciplines required to successfully complete the project.

After approval from the City of the scope and work plan, we will proceed with the project development and preparation of deliverables.

WORK PLAN IMPLEMENTATION

RJ Behar believes that a project will be successful if it is well-organized to begin with; people are properly informed as to their responsibilities, schedules and budgets. Therefore, **RJ Behar** places a large emphasis upon the initial steps of the project on its first tasks:

TASK 1 – KICK-OFF MEETING: This task includes a (Kick-off) meeting with all relevant team members to discuss the scope, work plan, and schedules. It serves to ensure that all team members are consonant and working towards the same goal. Project coordination will continue with meetings at the major milestones of the project.

TASK 2 – DATA COLLECTION: This is an important phase of any project. Information for the planning area and infrastructure data will be gathered and mapped. All information and data gathered will be provided to the City in electronic format.

TASK 3 – FIELD REVIEWS: **RJ Behar** has performed one field review but will schedule additional field reviews with the City's Staff, if necessary. Discussions will be aimed at reviewing the background of the project and any important issues, problems, or requirements. Other agencies, as deemed appropriate, may be invited. **RJ Behar's** Team will assess the scope of the proposed improvements. We will have a "Project Checklist" available at our field review. We will prepare minutes of the field review to define our scope of work. If the City's representative is unavailable for the site meeting, **RJ Behar** will provide photographs and videos of the project to point out areas of concern. This task may also include a review of the permit agency requirements and a preliminary meeting to ensure that the alternatives developed in subsequent phases are permissible. Some of this information can either be mapped in AutoCAD or Geographic Information System (GIS) methods, both of which we have expertise in.

PROJECT COORDINATION & COMMUNICATION



Coordination of a multi-member team requires regular attention. All matters related to the project will be coordinated with the City's Manager. We will try to minimize the City's day-to-day involvement by keeping the City's Manager informed electronically (e-mail). Mr. Cruz-Garcia. PE will serve as our focal point of coordination and for providing timely responses and prompt follow up. He will be the link with the project team.

- **BETWEEN RJ BEHAR AND THE CITY OF HOLLYWOOD** – As previously discussed, we will always keep the City's Manager well-informed of all project issues. Recognizing that City's Manager may be managing numerous projects at any given time; therefore, we will try to accommodate his or her day-to-day involvement by 1) *obtaining needed information ourselves*, 2) *maximizing electronic information transfer (e-mail)*, 3) *conference calls*, or 4) *prompt meeting minutes*. We will schedule progress meetings as often as the City's Manager desires. A progress report will be provided monthly including required action items and who is to follow up. The City's Manager is the voice for the City and, therefore, we will coordinate with him prior to meeting with other entities.
- **BETWEEN RJ BEHAR AND UTILITY COMPANIES/PERMITTING AGENCIES** – **RJ Behar** will develop a distribution list for each utility company and permitting agency. Meeting with the permitting agencies will be held as soon as the concept is developed. Utility contacts will be made as soon as topographic features and right-of-way lines are plotted. Ongoing coordination will be maintained with all the agencies. The scope, work plan, schedules, and understanding of the task should be discussed and any major issues identified up-front.
- **BETWEEN RJ BEHAR AND PRIVATE STAKEHOLDERS** – **RJ Behar** will, through the City, coordinate with the private stakeholders involved. We will organize public meetings, one-on-one meetings, conference calls and prepare presentations, if necessary. We will make ourselves available to provide the services that the City needs. At all public meetings we will keep minutes or recordings as needed for documentation.
- **COMMUNICATION** – **RJ Behar** recognizes the importance of communicating during the project. As such, regular in-house meetings will be held to ensure coordination and quality control. We will provide the City with minutes of meetings within one week after the meeting is held. These will include minutes of meetings with all entities involved.

PROJECT SCHEDULING METHODS

The Project Manager is the key to a successful project schedule; he/she is the “CEO” for the technical elements related to the project. **RJ Behar** is completely familiar with the logic involved in scheduling projects. We utilize Microsoft Projects and/or Primavera software for scheduling all our projects. Our management methodology is best summarized as follows:

- **Staffing Plan** – Please refer to our team organization chart under Tab D.

- **Weekly In-House Meetings:** We hold weekly in-house staff meetings with detailed action items to track schedules, budgets and design activities. An example of our weekly meeting spreadsheet is located on this page. This spreadsheet is used to track milestone dates, action items, and staffing requirements. These are inter-related and are monitored to ensure schedule control.

- **Monthly Progress Meetings:** Our Project Manager will meet with the City's Manager monthly to review the project's progress. A monthly progress report will be prepared.

- **Interactive Team Management Approach:** Our project approach will keep the City thoroughly informed of the project. The team approach is the cornerstone of **RJ Behar's** method of doing business.

- **In-House “Brainstorming Session:** Once we obtain sufficient field data and have completed our field review, our project team will conduct a “brainstorming session,” where the key personnel gather to discuss the project and suggest an optimal solution for the project. The goal is to get the decision makers involved early.

- **Use of Interactive Approach with the City of Hollywood to Accelerate Work:** The goal of the interactive approach proposed by our team is to get the decision makers involved in the project from the very start.

| CURRENT PROJECTS | RJB FEE AMOUNT | PERSONS ASSIGNED | RJB REMAIN REVENUE | RJB # | RJB MANAGER | PROJECT STATUS |
|--|----------------|------------------|--------------------|-------|-------------|--|
| ALTON ROAD FOOT DRAFTS | \$ 42,074.00 | AGUILAR/ALFREZ | \$ 3,744.00 | 00001 | IMAGREED | 12/06/2018 |
| | | | | | | 1. FILE PROPOSAL (REGIMENT 1) SUBMITTED 11/21/18 (ON TIME) |
| | | | | | | 2. PAST DUE INVOICES (FOLLOW UP WITH DAVID MENDEZ) |
| | | | | | | 3. FINAL VAULT THROUGH (SEGMENT 1) 8/23/05 |
| WEST AVENUE/RAY ROAD CITY OF ALEXANDRIA (GLATTING, JACKI) | \$ 245,572.00 | | \$ 65,673.00 | 00021 | RJBOLT | 09/14/2018 |
| | | | | | | 1. PLANNING PHASE - PENDING NTP FROM GLATTING, JACKI |
| | | | | | | 2. ADDITIONAL CONSTRUCTION SERVICES - GLATTING, JACKI |
| | | | | | | 3. FEES PROPOSAL - HAZARDOUS SITE STUDIES PENDING AGREEMENT |
| | | | | | | 4. SUBMITTAL - PENDING AGREEMENT WITH CITY'S ACTION |
| | | | | | | 5. PREPARE BDR (WEST AVENUE) FROM GL/ |
| | | | | | | 6. SUBSTANTIAL COMPLETION VAULT THROUGH - PENDING REC |
| | | | | | | 7. CAD/COMPASS - SURVEY DRAWINGS (PES) (EMAIL SENT) |
| | | | | | | 8. LETTER TO CITY OF ALEXANDRIA (GLATTING, JACKI) REQUESTING PAYMENT |
| | | | | | | 9. EMAIL - PENDING/PUMP REVENUE \$2,25.00 |
| NAUTILUS NEIGHBORHOOD CITY OF ALEXANDRIA (RJB) | \$ 107,961.00 | | \$ 17,429.00 | 00022 | RJBOLT | 09/06/2018 |
| | | | | | | 1. TOP-UP AND DRAWDOWN AT HOSPITAL COTITAL - REQUESTED |
| | | | | | | 2. LETTER TO CITY OF ALEXANDRIA REQUESTING REDISTRIBUTION OF BWC'S SHI |
| | | | | | | 3. FEES PROPOSAL - ADDITIONAL SERVICES (PUMP STATION ADD) |
| | | | | | | 4. 10% SUBMITTAL - PENDING NEGOTIATION OF ADDITIONAL SERVICES |
| | | | | | | 5. 10% SUBMITTAL - TBC |
| LA SOURCE NEIGHBORHOOD CITY OF ALEXANDRIA (RJB) | \$ 120,161.00 | RJBOLT | \$ 11,012.00 | 00025 | RJBOLT | 09/02/2018 |
| | | | | | | 1. FEES PROPOSAL ADDITIONAL SERVICES (PUMP EXECUTIVE) |
| | | | | | | 2. LETTER TO CITY OF ALEXANDRIA REQUESTING REDISTRIBUTION OF BWC'S SHI |
| | | | | | | 3. PAST DUE INVOICES (FOLLOW UP WITH JEFF EASLEY) |
| | | | | | | 4. FEES PROPOSAL (CITY REQUESTED CHANGES) |
| | | | | | | 5. 10% SUBMITTAL - PENTS RECEIVED - RESPONSES (C) |
| | | | | | | 6. 10% SUBMITTAL - TBC |
| | | | | | | 7. 10% SUBMITTAL - TBC |
| | | | | | | 8. 10% SUBMITTAL - TBC |
| POWELLINE ROAD | \$ 600,730.00 | | \$ 35,982.00 | 00032 | CMAZOPRA | 09/03/2018 |
| | | | | | | 1 |



Major design decisions will be coordinated with the City's Staff through the City's Manager. This timely involvement allows our team to avoid false starts and eliminates significant design changes at the submittals.

BUDGET CONTROL

RJ Behar is fully aware of the current financial climate and has put several key steps in place to help with reducing costs. We utilize spreadsheets and the Advantage Program from DELTEK computer software to keep track of project budgets. Regardless of the budget constraint of any project, **RJ Behar** has the commitment of completing every contracted project to the satisfaction of the client. We utilize management spreadsheets for control of each project. These are discussed in our weekly meetings. At these meetings, we go over the items that need to be completed; the budget and staff needed to complete each item. Our Company president presides over these meetings to ensure that each project and tasks are allocated the necessary resources. **RJ Behar** has excellent track-record for delivering projects within budget.

COST ESTIMATING

RJ Behar is experienced in developing and tracking project cost estimates. One of the first tasks is to meet with the City's Staff to go over the City's budget for this project. **RJ Behar's** Project Manager will be able to assist the City in developing a budget based on the City's goals for the project and current construction cost trends. The project budget becomes the basis for the project scope and limits. The project construction cost is further refined after the plans have been developed to a "preliminary" stage by developing an estimate of probable cost. Additionally, probable cost estimates are also developed at subsequent phases to ensure compliance with the project budget. Cost estimates are produced in spreadsheet format including unit prices and quantities. The unit prices are based on a database developed from recent project bids as well as FDOT's historic prices. **RJ Behar** is certified by FDOT to do cost estimates for design and construction projects.

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 that we are involved in. **Many members of RJ Behar's staff have performed cost estimating services including all the senior level staff.**

We will provide the City with probable cost estimates at three different phases:

- **Schematic Phase** – a very preliminary cost based on early input of the project. The construction budget will be verified based on this estimate.
- **Design Development Phase** – this estimate will be much closer to the final cost estimate, and it will be based on 50% plans completion. It is at this phase that we can eliminate or add items to the construction scope of work, and it will be based on the available budget versus projected costs.
- **Final Construction Plans** – this is the final engineer's estimate based on the final design.

RJ Behar has an excellent track record with all our project bids coming within 5% of our final engineer's estimate. **RJ Behar** is aware of the budget and time constraints. We will take appropriate action to reallocate resources if the work items fall behind schedule in accordance with the critical path to minimize impact to the overall schedule. We will effectively manage the budget and have developed a logical quality control plan, which we will adhere to throughout the project. We have always ranked 4.0 or above (1-5 ranking) on FDOT evaluations regarding budget and time.

GRANT MANAGEMENTS/STATE RESOURCES FUND

RJ Behar has successfully completed **121 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/or American Recovery and Reinvestment Act (ARRA) funded projects. These projects have incorporated specific parameters such as Davis-Bacon & Copeland Anti-kickbacks Act, Buy



America, Monthly DBE Utilization Reports, EEOC Compliance, On-the-job Training Requirements, Certified Payrolls, etc.

RJ Behar has helped several municipalities with the acquisition of grant funding, managing the grants and all the documentation, certifying the municipality to obtain FDOT Local Agency Program (LAP) certification as well as designing projects funded by grant money. Our Team is fully aware of the importance of submitting the required documentation to meet the schedule guidelines and ensure grant compliance is upheld. A grant proposal must also be written in such a way as to convince potential funders of the value and impact of the proposed project. It should meet the goals/requirements of the type of grant. For example, a Florida Department of Environmental Protection Water Quality Grant application must demonstrate that the project will improve the quality of the waters that are not attaining nutrient standards, have and established TMDL or are located with a basin management plan. The grant application needs to clearly establish the need for the project, the project description, the estimated costs, schedules, and provide all the documentation required by the granting agency. Grant programs have different closing dates, so it is important to review the closing date posted for each grant program. It is also wise to apply to all grant programs for which the project may be eligible. During implementation, our Team can also review the contract documents to ensure that all necessary processes, language, and documentation are contained within the documentation.

INSPECTION SERVICES

RJ Behar offers a full range of construction engineering services varying from providing Construction Engineering & Inspection 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 is knowledgeable with the current programs such as Site Manager, E-Builder, Payment Tracking System, Contract Information and Monitoring, MAC, 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. This will allow our team to administer the project 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. **RJ Behar** will establish a project specific SharePoint on OneDrive, which will include the filing system covering all project documents and correspondence per the latest FDOT's ProjectSolve Reference List.

Up-To-Date Technology:

The **RJ Behar** Inspection Staff Team will be equipped with laptop computers and high-speed internet air cards, which enables them to have full remote access to their emails, daily document reports, project tracking spreadsheets, etc. These features help to expedite communication with the office staff and City Staff at a moment's notice, as well as entering sample and test information on-the-spot from the project site without having to be physically in the office. Additionally, our inspectors utilize smart phones and tablets that have scanning capabilities, which allows them to transmit any marked-up field documentation, plan sheets, etc. to the appropriate parties, which in turn can be resolved in the field without any further delay. Our field inspectors use Bluebeam Revu to markup and redline their plan drawings and sheets, insert photos and other annotations onto the document page, making it easy, versatile, and an efficient way of sending RFIs and report any project issues to the team. **RJ Behar** understands that availability of



fast and reliable information from our inspection team and communication with the City is key in ensuring favorable project quality results. Our staff is capable of video conferencing from the jobsite via web-based meetings to quickly disseminate project issues by having direct communication with the project management team and the Engineer of Record for immediate resolution of issues. Our inspectors obtain the contractors' schedules and ensure that an inspector is always on the site.

DOCUMENT CONTROL

Document control is very important. All administrative procedures and legal protections require proper care of 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 several 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 the requirements of the City early in the project.



QUALITY CONTROL PROCESS

RJ Behar will ensure the quality of its product. Mr. Robert Behar, P.E., will be responsible for the quality assurance. An autonomous group of reviewers will be responsible for this activity. The individuals assigned are highly experienced in the tasks they will be reviewing. Committing the appropriate staff to the project is the most important quality assurance measure.

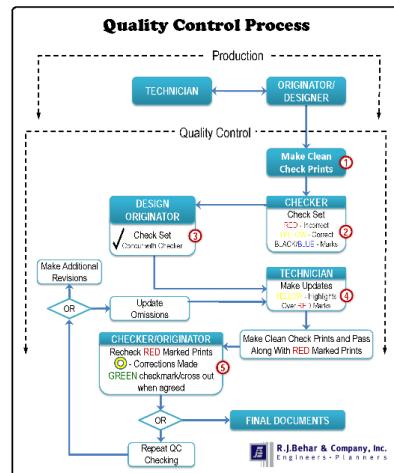
Our Quality Control process is very comprehensive and has resulted in a history of zero claims due to errors or omissions. A synopsis of our Quality Program is outlined below:

QC REVIEWS – Will be separated into three major areas: 1) engineering design review (criteria) 2) plans preparation/cross reference review 3) constructability review. Providing for these will ensure the City the quality it is paying for. For the review process we have developed checklists of items that must be included on each type of project.

QC PROCESS – The process starts with the 1) design originator, 2) it is sent to a checker, it goes back to the 3) originator who reviews these and determines which comments are to be implemented. 4) The originator and checker meet to discuss the comments and come to an agreement on the implementation of the comments. 5) If they cannot come to an agreement the Project Manager will then make that determination. 6) Comments are implemented. 7) Plans are back checked. All these steps will require an initial and date by the individual(s) involved.

CONSTRUCTABILITY REVIEW – Mr. Nestor Santana, PE will lead our constructability reviews. He has been involved in civil, structural and construction engineering and inspection projects for over 28 years. He will be reviewing the plans from the contractor's perspective. He will be looking for lack of consistency between plans, specs, utility agreements, and permit agreements. He will ensure that all pay items are accounted for, check for feasibility of the construction sequence and finally for claims potential.

QUALITY ASSURANCE – Mr. Robert J. Behar, PE, **RJ Behar**'s principal in charge, president and CEO, will certify that the quality control reviews were completed prior to all formal submittals.



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. Value engineering is used to solve problems and identify and eliminate unwanted costs, while improving function

