

*CITY OF POMPANO BEACH,  
FLORIDA*

**PROFESSIONAL CONSULTING AGREEMENT**

**with**

**R.J. BEHAR & COMPANY, INC.**



**CONTINUING CONTRACT FOR CIVIL ENGINEERING  
SERVICES FOR VARIOUS CITY PROJECTS E-20-20**

**CONTRACT FOR  
PROFESSIONAL CONSULTING SERVICES**

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This Contract is made on \_\_\_\_\_, by and between the CITY OF POMPANO BEACH, a municipal corporation of the State of Florida, hereinafter referred to as "CITY," and R. J. Behar & Company, Inc. a Florida corporation, hereinafter referred to as the "Consultant".

**WHEREAS**, the Consultant is able and prepared to provide such services as City requires under the terms and conditions set forth herein; and

**WHEREAS**, the City Commission has approved the recommendation that Consultant be employed by the City and authorized the negotiation of contractual terms.

**NOW, THEREFORE**, in consideration of the mutual promises herein, the City and the Consultant agree as follows:

**ARTICLE 1 – SERVICES/CONSULTANT AND CITY REPRESENTATIVES**

The Consultant's responsibility under this Contract is to provide professional consulting services as more specifically set forth in RLI No. E-20-20 attached hereto as Exhibit A and incorporated herein in its entirety.

The Consultant's representative shall be Robert J. Behar, P.E.

The CITY's representative shall be City Engineer or designee,

**ARTICLE 2 – TERM**

The CONSULTANT shall adhere to the schedule given in each work authorization after receiving the "Notice to Proceed."

Reports and other items shall be delivered or completed in accordance with the detailed schedule set forth in individual Work Authorizations as negotiated.

The Term of this Contract shall be for an initial period of five (5) years from the date of execution by both the City and the Consultant.

### ARTICLE 3 – PAYMENTS TO CONSULTANT

A. City agrees to pay Consultant in consideration for its services described herein. It is the intention of the parties hereby to ensure that unless otherwise directed by the City in writing, Consultant will continue to provide services as specified in Exhibit A for the term of this Contract.

B. Price Formula. City agrees to pay Consultant as negotiated on a Work Authorization basis. Each work authorization shall specifically identify the scope of the work to be performed and the fees for said services. As set forth in RLI No. E-20-20, professional services under this contract will be restricted to those required for any project for which construction costs will not exceed four million dollars (\$4,000,000.00), and for any study activity fees shall not exceed five hundred thousand dollars (\$500,000.00).

C. Fee Determination. Each individual Work Authorization may be negotiated for fees to be earned by Time and Materials with a Not to Exceed Amount, Lump Sum, or a combination of both methods for subtasks contained therein. The total amount to be paid by the City under a Work Authorization shall not exceed specified amounts for all services and materials including “out of pocket” expenses as specified in Paragraph E below and also including any approved subcontracts unless otherwise agreed in writing by both parties. The Consultant shall notify the City’s Representative in writing when 90% of the “not to exceed amount” for the total Work Authorization has been reached. The Consultant will bill the City on a monthly basis, or as otherwise provided. Time and Materials billing will be made at the amounts set forth in Exhibit B for services rendered toward the completion of the Scope of Work. Where incremental billings for partially completed items are permitted, the total billings shall not exceed the estimated percentage of completion as of the billing date. It is acknowledged and agreed to by the Consultant that the dollar limitation set forth in this section is a limitation upon and describes the maximum extent of City’s obligation to pay Consultant, but does not include a limitation upon Consultant’s duty to perform all services set forth in Exhibit A for the total compensation in the amount or less than the guaranteed maximum stated above.

D. Invoices received by the City from the Consultant pursuant to this Contract will be reviewed and approved in writing by the City’s Representative, indicating that services have been rendered in conformity with the Contract, and then will be sent to the City’s Finance Department for payment. All invoices shall contain a detailed breakdown of the services provided for which payment is being requested. In addition to detailed invoices, upon request of the City’s representative, Consultant shall provide City with detailed periodic Status Reports on the project. All invoice payments by City shall be made after the Work has been verified and completed. Unless disputed by City as provided herein, upon City’s receipt of a Proper Invoice as defined in §218.72, Florida Statutes, as amended, City shall forward Consultant payment for work performed within forty five (45) days for all goods and services provided.

City may temporarily remove for review any disputed amount, by line item, from an invoice and shall timely provide Consultant written notification of any such disputed charge. Consultant shall provide clarification and a satisfactory explanation to City, along with revised copies of all such documents if inaccuracies or errors are discovered, within ten (10) days of receipt of City’s notice of the disputed amount

In the event City has a claim against Consultant for Work performed hereunder which has not been timely remedied in accordance with the provisions of this Article 3, City may withhold payment for the contested amount, in whole or in part, to protect itself from loss on account of defective Work, claims filed or reasonable evidence indicating probable filing of claims by other parties against Consultant, and/or Consultant's failure to make proper payments to subcontractors or vendors for material or labor. When the reason(s) for withholding payment are removed or resolved in a manner satisfactory to City, payment shall be made.

E. "Out-of-pocket" expenses shall be reimbursed up to an amount not to exceed amounts included in each Work Authorization. All requests for payment of "out-of-pocket" expenses eligible for reimbursement under the terms of this Contract shall include copies of paid receipts, invoices, or other documentation acceptable to the City's Representative and to the Finance Department. Such documentation shall be sufficient to establish that the expense was actually incurred and necessary in the performance of the Scope of Work described in a Work Authorization and this Contract. All out-of-pocket, reimbursables and expenses shall be billed at actual amount paid by Consultant, with no markup.

F. Final Invoice. In order for both parties herein to close their books and records, the Consultant will clearly state "Final Invoice" on the Consultant's final/last billing to the City. This final invoice shall also certify that all services provided by Consultant have been properly performed and all charges and costs have been invoiced to the City. Because this account will thereupon be closed, any and other further charges not properly included on this final invoice are waived by the Consultant.

#### **ARTICLE 4 – TRUTH-IN-NEGOTIATION CERTIFICATE**

Signature of this Contract by the Consultant shall also act as the execution of a truth in negotiation certificate, certifying that the wage rates, overhead charges, and other costs used to determine the compensation provided for this Contract are accurate, complete and current as of the date of the Contract and no higher than those charged the Consultant's most favored customer for the same or substantially similar service. Should the City determine that said rates and costs were significantly increased due to incomplete, non-current or inaccurate representation, then said rates shall be adjusted accordingly.

#### **ARTICLE 5 – TERMINATION**

City shall have the right to terminate this Contract, in whole or in part, for convenience, cause, default or negligence on Consultant's part, upon ten (10) business days advance written notice to Consultant. Such Notice of Termination may include City's proposed Transition Plan and timeline for terminating the Work, requests for certain Work product documents and materials, and other provisions regarding winding down concerns and activities.

If there is any material breach or default in Consultant's performance of any covenant or obligation hereunder which has not been remedied within ten (10) business days after City's

written Notice of Termination, City, in its sole discretion, may terminate this Contract immediately and Consultant shall not be entitled to receive further payment for services rendered from the effective date of the Notice of Termination.

In the event of termination, City shall compensate Consultant for all authorized Work satisfactorily performed through the termination date under the payment terms set forth in Article 3 above and all Work product documents and materials shall be delivered to City within ten (10) business days from the Notice of Termination. If any Work hereunder is in progress but not completed as of the date of the termination, then upon City's written approval, this Contract may be extended until said Work is completed and accepted by City.

This Contract may be cancelled by the Consultant, upon thirty (30) days prior written notice to the City's Representative, in the event of substantial failure by the City to perform in accordance with the terms of this Contract through no fault of the Consultant.

## **ARTICLE 6 – PERSONNEL**

The Consultant is, and shall be, in the performance of all work services and activities under this Contract, an independent Contractor, and not an employee, agent or servant of the City. All persons engaged in any of the work or services performed pursuant to this Contract shall at all times, and in all places, be subject to the Consultant's sole direction, supervision, and control and shall not in any manner be deemed to be employees of the City. The Consultant shall exercise control over the means and manner in which it and its employees perform the work. This contract does not create a partnership or joint venture between the parties.

The Consultant represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, nor shall such personnel be subject to any withholding for tax, Social Security or other purposes by the City, nor be entitled to any benefits of the City including, but not limited to, sick leave, pension benefits, vacation, medical benefits, life insurance, workers or unemployment compensation benefits, or the like from the City.

All of the services required hereunder shall be performed by the Consultant or under its supervision, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services.

Any changes or substitutions in the Consultant's key personnel, as may be listed in Article 1, must be made known to the City's Representative at the time substitution becomes effective.

The Consultant warrants that all services shall be performed by skilled and competent personnel to the degree exercised by consultants performing the same or similar services in the same location at the time the services are provided.

## **ARTICLE 7 – SUBCONTRACTING**

Consultant may subcontract any services or work to be provided to City with the prior written approval of the City's Representative. The City reserves the right to accept the use of a subcontractor or to reject the selection of a particular subcontractor and to inspect all facilities of any subcontractors in order to make determination as to the capability of the subcontractor to perform properly under this Contract. The City's acceptance of a subcontractor shall not be unreasonably withheld. The Consultant is encouraged to seek small business enterprises and to utilize businesses that are physically located in the City of Pompano Beach with a current Business Tax Receipt for participation in its subcontracting opportunities.

## **ARTICLE 8 – FEDERAL AND STATE TAX**

The City is exempt from payment of Florida State Sales and Use Taxes. The City will provide the Consultant with the current state issued exemption certificate. The Consultant shall not be exempted from paying sales tax to its suppliers for materials used to fulfill contractual obligations with the City, nor is the Consultant authorized to use the City's Tax Exemption Number in securing such materials.

The Consultant shall be responsible for payment of its own and its share of its employees' payroll, payroll taxes and benefits with respect to this Contract

## **ARTICLE 9 – AVAILABILITY OF FUNDS**

The City's performance and obligation to pay under this contract is contingent upon appropriation for various projects, tasks and other professional services by the City Commission.

## **ARTICLE 10 - INSURANCE REQUIREMENTS**

The Consultant shall not commence work under this Contract until it has obtained all insurance required under this paragraph and such insurance has been approved by the Risk Manager of the City, nor shall the Consultant allow any Subcontractor to commence work on its sub-contract until the aforementioned approval is obtained.

CERTIFICATE OF INSURANCE, reflecting evidence of the required insurance, shall be filed with the Risk Manager prior to the commencement of the work. The Certificate shall contain a provision that coverage afforded under these policies will not be cancelled, will not expire and will not be materially modified until at least thirty (30) days prior written notice has been given to the City. Policies shall be issued by companies authorized to conduct business under the laws of the State of Florida and shall have adequate Policyholders and Financial ratings in the latest ratings of A. M. Best and be part of the **Florida Insurance Guarantee Association Act**.

Insurance shall be in force until all work required to be performed under the terms of the Contract is satisfactorily completed as evidenced by the formal acceptance by the City. In the event the Insurance Certificate provided indicates that the insurance shall terminate and lapse during the period of this Contract, the Consultant shall furnish, at least ten (10) days prior to the

expiration of the date of such insurance, a renewed Certificate of Insurance as proof that equal and like coverage for the balance of the period of the Contract and extension thereunder is in effect. The Consultant shall not continue to work pursuant to this Contract unless all required insurance remains in full force and effect.

Limits of Liability for required insurance are shown in Exhibit C.

The City of Pompano Beach must be named as an additional insured for the Automobile and Commercial General Liability Coverage.

For Professional Liability, if coverage is provided on a claims made basis, then coverage must be continued for the duration of this Contract and for not less than one (1) year thereafter, or in lieu of continuation, provide an "extended reporting clause" for one (1) year.

Consultant shall notify the City Risk Manager in writing within thirty (30) days of any claims filed or made against the Professional Liability Insurance Policy.

For Workers' Compensation Insurance, coverage shall be maintained during the life of this Contract to comply with statutory limits for all employees, and in the case of any work sublet, the Consultant shall require any Subcontractors similarly to provide Workers' Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the Consultant. The Consultant and his Subcontractors shall maintain during the life of this Contract Employer Liability Insurance.

## **ARTICLE 11 – INDEMNIFICATION**

A. Consultant shall at all times indemnify, hold harmless the City, its officials, employees, volunteers and other authorized agents from and against any and all claims, demands, suit, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City to the extent caused by any negligent act, omission, breach, recklessness or misconduct of Consultant and/or any of its agents, officers, or employees hereunder, including any inaccuracy in or breach of any of the representations, warranties or covenants made by the Consultant, its agents, officers and/or employees, in the performance of services of this contract. To the extent considered necessary by City, any sums due Consultant hereunder may be retained by City until all of City's claims for indemnification hereunder have been settled or otherwise resolved, and any amount withheld shall not be subject to payment or interest by City.

B. Consultant acknowledges and agrees that City would not enter into this Contract without this indemnification of City by Consultant. The parties agree that one percent (1%) of the total compensation paid to Consultant hereunder shall constitute specific consideration to Consultant for the indemnification provided under this Article and these provisions shall survive expiration or early termination of this Contract.

C. Nothing in this Agreement shall constitute a waiver by the City of its sovereign immunity limits as set forth in section 768.28, Florida Statutes. Nothing herein shall be construed as consent from either party to be sued by third parties.

## **ARTICLE 12 – SUCCESSORS AND ASSIGNS**

The City and the Consultant each binds itself and its partners, successors, executors, administrators and assigns to the other party of this Contract and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the City nor the Consultant shall assign, sublet, encumber, convey or transfer its interest in this Contract without prior written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of the City, which may be a party hereto, nor shall it be construed as giving any rights or benefits hereunder to anyone other than the City and the Consultant.

## **ARTICLE 13 – REMEDIES**

The laws of the State of Florida shall govern this Contract. Any and all legal action between the parties arising out of the Contract will be held in Broward County. No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity or by statute or otherwise. No single or partial exercise by any party of any right, power or remedy hereunder shall preclude any other or further exercise thereof.

## **ARTICLE 14 – CONFLICT OF INTEREST**

The Consultant represents that it has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder, as provided for in the Code of Ethics for Public Officers and Employees (Chapter 112, Part III, Florida Statutes). The Consultant further represents that no person having any interest shall be employed for said performance.

The Consultant shall promptly notify the City's representative, in writing, by certified mail, of a potential conflict(s) of interest for any prospective business association, interest or other circumstance, which may influence or appear to influence the Consultant's judgment or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the Consultant may undertake and request an opinion of the City as to whether the association, interest or circumstance would, in the opinion of the City, constitute a conflict of interest if entered into by the Consultant. The City agrees to notify the Consultant of its opinion by certified mail within thirty (30) days of receipt of notice by the Consultant. If, in the opinion of the City, the prospective business association, interest, or circumstance would not constitute a conflict of interest by the Consultant, the City shall so state in the notice and the Consultant shall at its option, enter into said association, interest or circumstance and it shall be deemed not a conflict of interest with respect to services provided to the City by the Consultant under the terms of this Contract.

## **ARTICLE 15 – EXCUSABLE DELAYS**

The Consultant shall not be considered in default by reason of any failure in performance if such failure arises out of causes reasonably beyond the control of the Consultant or its subcontractors and without their fault or negligence. Such causes include, but are not limited to, acts of God; natural or public health emergencies; freight embargoes; and abnormally severe and unusual weather conditions.

Upon the Consultant's request, the City shall consider the facts and extent of any failure to perform the work and, if the Consultant's failure to perform was without it, or its subcontractors fault or negligence, the Contract Schedule and/or any other affected provision of this Contract shall be revised accordingly; subject to the City's rights to change, terminate, or stop any or all of the work at any time.

## **ARTICLE 16 – DEBT**

The Consultant shall not pledge the City's credit or attempt to make it a guarantor of payment or surety for any contract, debt, obligation, judgment, lien or any form of indebtedness. The Consultant further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Contract.

## **ARTICLE 17 – DISCLOSURE AND OWNERSHIP OF DOCUMENTS**

The Consultant shall deliver to the City's representatives for approval and acceptance, and before being eligible for final payment of any amounts due, all documents and materials prepared by and for the City under this Contract.

All written and oral information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the City or at its expense will be kept confidential by the Consultant and will not be disclosed to any other party, directly or indirectly, without the City's prior written consent unless required by a lawful order. All drawings, maps, sketches, programs, data base, reports and other data developed, or purchased, under this Contract for or at the City's expense shall be and remain the City's property and may be reproduced and reused at the discretion of the City.

A. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Consultant shall comply with Florida's Public Records Law, as amended. Specifically, the Consultant shall:

1. Keep and maintain public records required by the City in order to perform the service.

2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law.

3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Consultant does not transfer the records to the City.

4. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Consultant, or keep and maintain public records required by the City to perform the service. If the Consultant transfers all public records to the City upon completion of the contract, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of the contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

B. Failure of the Consultant to provide the above described public records to the City within a reasonable time may subject Consultant to penalties under 119.10, Florida Statutes, as amended.

## **PUBLIC RECORDS CUSTODIAN**

**IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK  
100 W. Atlantic Blvd., Suite 253  
Pompano Beach, Florida 33060  
(954) 786-4611  
[RecordsCustodian@copbfl.com](mailto:RecordsCustodian@copbfl.com)**

All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to any representations made herein relating to disclosure or ownership of documents, shall survive the execution and delivery of this Contract and the consummation of the transactions contemplated thereby.

## **ARTICLE 18 – CONTINGENT FEES**

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Contract. Violation of this Article shall constitute a forfeiture of this Contract by Consultant.

## **ARTICLE 19 – ACCESS AND AUDITS**

The Consultant shall maintain adequate records to justify all charges, expenses, and cost incurred in estimating and performing the work for at least three (3) years after completion of this Contract. The City shall have access to such books, records and documents as required in this section for the purpose of inspection or audit during normal business hours, at the Consultant's place of business.

## **ARTICLE 20 – NONDISCRIMINATION**

The Consultant warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status and sexual orientation.

## **ARTICLE 21 – INTERPRETATION**

The language of this Contract has been agreed to by both parties to express their mutual intent and no rule of strict construction shall be applied to either party hereto. The headings are for reference purposes only and shall not affect in any way the meaning or interpretation of this Contract. All personal pronouns used in this Contract shall include the other gender, and the singular, the plural, and vice versa, unless the context otherwise requires.

## **ARTICLE 22 – AUTHORITY TO PRACTICE**

The Consultant hereby represents and warrants that it has and will continue to maintain all licenses and approvals required conducting its business, and that it will at all times conduct its business activities in a reputable manner. Proof of such licenses and approvals shall be submitted to the City's representative upon request.

## **ARTICLE 23 – SEVERABILITY**

If any term or provision of this Contract, or the application thereof to any person or circumstances shall, to any extent be held invalid or unenforceable, to remainder of this Contract, or the application of such terms or provision, to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected, and every other term and provision of this Contract shall be deemed valid and enforceable to the extent permitted by law.

**ARTICLE 24 – ENTIRETY OF CONTRACTUAL AGREEMENT**

The City and the Consultant agree that this Contract, together with the Exhibits hereto, sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein. It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and off equal dignity herewith. None of the provisions, terms and conditions contained in this Contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto in accordance with Article 25 – Modification of Work. In the event of any conflict or inconsistency between this Contract and the provisions in the incorporated Exhibits, the terms of this Contract shall supersede and prevail over the terms in the Exhibits.

**ARTICLE 25 – MODIFICATION OF SCOPE OF WORK**

The City reserves the right to make changes in the Scope of Work, including alterations, reductions therein or additions thereto. Upon receipt by the Consultant of the City’s notification of a contemplated change, the Consultant shall, in writing: (1) provide a detailed estimate for the increase or decrease in cost due to the contemplated change; (2) notify the City of any estimated change in the completion date; and (3) advise the City if the contemplated change shall affect the Consultant’s ability to meet the completion dates or schedules of this Contract.

If the City so instructs in writing, the Consultant shall suspend work on that portion of the Scope of Work affected by a contemplated change, pending the City’s decision to proceed with the change.

If the City elects to make the change, the City shall initiate a Work Authorization Amendment and the Consultant shall not commence work on any such change until such written amendment is signed by the Consultant and the City Manager, and if such amendment is in excess of \$75,000, it must also first be approved by the City Commission and signed by the appropriate City Official authorized by the City Commission

The City shall not be liable for payment of any additional or modified work, which is not authorized in the manner provided for by this Article.

**ARTICLE 26 – NOTICE**

All notices required in this Contract shall be sent by certified mail, return receipt requested, to the following:

**FOR CITY:**

City Manager  
City of Pompano Beach  
Post Office Drawer 1300  
Pompano Beach, Florida 33061

**FOR CONSULTANT:**

Robert J. Behar, P.E. President  
R. J. Behar & Company, Inc.  
6861 SW 196<sup>th</sup> Avenue, Suite 302  
Pembroke Pines, FL 33332

**ARTICLE 27 – OWNERSHIP OF DOCUMENTS**

All finished or unfinished documents, data, reports, studies, surveys, drawings, maps, models and photographs prepared or provided by the Consultant in connection with this Contract shall become property of the City, whether the project for which they are made is completed or not, and shall be delivered by Consultant to City within ten (10) days of notice of termination. If applicable, City may withhold any payments then due to Consultant until Consultant complies with the provisions of this section.

**ARTICLE 28 – PROMOTING PROJECT OBJECTIVES**

Consultant, its employees, subcontractors, and agents shall refrain from acting adverse to the City’s interest in promoting the goals and objectives of the projects. Consultant shall take all reasonable measures necessary to effectuate these assurances. In the event Consultant determines it is unable to meet or promote the goals and objectives of the projects, it shall immediately notify the City and the City, may then in its discretion, terminate this Contract.

**ARTICLE 29 – PUBLIC ENTITY CRIMES ACT**

As of the full execution of this Contract, Consultant certifies that in accordance with §287.133, Florida Statutes, it is not on the Convicted Vendors List maintained by the State of Florida, Department of General Services. If Consultant is subsequently listed on the Convicted Vendors List during the term of this Contract, Consultant agrees it shall immediately provide City written notice of such designation in accordance with Article 26 above.

**ARTICLE 30 – GOVERNING LAW**

This Contract must be interpreted and construed in accordance with and governed by the laws of the State of Florida. The exclusive venue for any lawsuit arising from, related to, or in connection with this Agreement will be in the state courts of the Seventeenth Judicial Circuit in and for Broward County, Florida. If any claim arising from, related to, or in connection with this Agreement must be litigated in federal court, the exclusive venue for any such lawsuit will be in the United States District Court or United States Bankruptcy Court for the Southern District of Florida. BY ENTERING INTO THIS AGREEMENT, THE PARTIES HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT.

## **ARTICLE 31 - BINDING EFFECT**

The benefits and obligations imposed pursuant to this Contract shall be binding and enforceable by and against the parties hereto.

**THE REMAINDER OF THE PAGE IS INTENTIONALLY LEFT BLANK**

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed the day and year hereinabove written.

Attest:

**CITY OF POMPANO BEACH**

\_\_\_\_\_  
ASCELETA HAMMOND, CITY CLERK

By: \_\_\_\_\_  
REX HARDIN, MAYOR

(SEAL)

By: \_\_\_\_\_  
GREGORY P. HARRISON, CITY MANAGER

APPROVED AS TO FORM:

\_\_\_\_\_  
MARK E. BERMAN, CITY ATTORNEY

**"CONSULTANT"**

**R. J. Behar & Company, Inc.**

Witnesses:

*Dereeth Behar*  
Signature

\_\_\_\_\_  
Dereeth Behar

By: *R. J. Behar*  
Robert J. Behar, P.E., President

\_\_\_\_\_  
Signature

*Juan H. Vazquez*  
Juan H. Vazquez, P.E.

STATE OF FLORIDA  
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me, by means of  physical presence or  online notarization, this 12<sup>th</sup> day of January, 2021, by Robert J. Behar, as President of R. J. Behar & Company, Inc., a Florida corporation, on behalf of the corporation. He is personally known to me or who has produced \_\_\_\_\_ (type of identification) as identification.

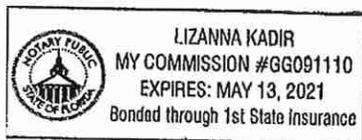
*Lizanna Kadir*

NOTARY'S SEAL:

\_\_\_\_\_  
NOTARY PUBLIC, STATE OF FLORIDA

Lizanna Kadir  
(Name of Acknowledger Typed, Printed or Stamped)

GG091110  
Commission Number





Florida's Warmest Welcome

**CITY OF POMPANO BEACH  
REQUEST FOR LETTERS OF INTEREST  
E-20-20**

**CONTINUING CONTRACT FOR CIVIL ENGINEERING  
SERVICES FOR VARIOUS CITY PROJECTS**

**RLI OPENING: July 30, 2020 2:00 P.M.  
VIRTUAL ZOOM MEETING**

June 30, 2020

CITY OF POMPANO BEACH, FLORIDA  
REQUEST FOR LETTERS OF INTEREST  
E-20-20

CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES FOR VARIOUS CITY  
PROJECTS

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach and the Pompano Beach Community Redevelopment Association (CRA) invite professional firms to submit qualifications and experience for consideration to provide construction engineering inspection (CEI) services to the City and the CRA on a continuing as-needed basis.

The City will receive sealed proposals until **2:00 p.m. (local), July 30, 2020**. Proposals must be submitted electronically through the eBid System on or before the due date/time stated above. Any proposal received after the due date and time specified, will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the Proposer.

Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: <https://pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the Proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum.

### **Introduction**

The City of Pompano Beach is seeking qualified civil engineering firms to work on various projects for City and the CRA. The projects range in magnitude from small-scale to large or specialized designs.

### **The types of projects to be undertaken may include, but are not limited to:**

- The City's approved Capital Improvement Plan (CIP) maybe found here: [Adopted Capital Improvement Plan FY 2020-2024](#)
- Roadway, Streetscape or Parking Lot projects.
- Water or Reuse Main projects.
- Gravity Sewer Main projects.
- Force Main projects.
- Lift station/pump station rehabilitation projects.
- Parks and Recreational Facilities.
- Seawall and dock construction and repair.
- Storm Water/Drainage Improvement projects
- Consultation for Emergency Water/Wastewater/Stormwater Repairs.
- Inspection Services for Emergency Water/Wastewater/Stormwater Repairs.
- Canal and lake dredging.

- Grant reimbursement, FAA and FDOT support and compliance.
- SRF support and Davis Bacon Wage Reporting requirements
- Support Services for Remediation
- Demolition Projects

#### **A. Scope of Services**

The City intends to issue multiple contracts to civil engineering firms to provide continuing professional services to the City and the CRA for various projects as-needed. Professional services under this contract will be restricted to those required for any project for which construction costs will not exceed \$4 million, and for any study activity for which fees will not exceed \$500,000.00.

#### **The scope of services may include, but is not limited to, the following:**

- Prepare preliminary design reports and/or design alternative recommendations. This may include various types of utility modeling, surveying, and field data analysis.
- Prepare all required bidding/construction documents for projects. This may include the preparation of surveys, design plans and construction documents, technical specifications, and cost estimates. Attendance at required pre-design, design, bidding and bid award meeting may also be required.
- Attend pre-bid conference, prepare possible bid addenda for contract document revisions. Assist in making bid award recommendations for contracting/construction services.
- Prepare all required permit applications and submittal packages as required for permit issuance of all agency permits (i.e. Federal, State, County and City).
- Provide construction engineering/management/administration services for projects. Services during construction may include shop drawing/contractor submittal reviews and approvals, inspection and approval of project improvements, certification of projects for various permitting entities, possible field revisions, and review and approval of contractor pay applications.
- Provide project close-out services. This may include preliminary and final acceptance of projects, preparation and approval of punch list items and project certification as required to all permitting agencies.

Firms must have previous municipal experience and must be licensed to practice **Civil Engineering services** in the State of Florida, Florida State Statute 481, by the Board of Professional Regulation.

#### **B. Task/Deliverables**

Tasks and deliverables will be determined per project. Each project shall require a signed Work Authorization (WA) form from the awarded firm to be provided to the City or the CRA. Forms shall be completed in its entirety and include the agreed upon scope, tasks, schedule, cost, and deliverables for the project. Consultant will be required to provide all applicable insurance requirements.

#### **C. Term of Contract**

The Term of this Contract shall be for an initial period of five (5) years from the date of execution by both the City and the Consultant.

**D. Project Web Requirements:**

1. This project will utilize e-Builder Enterprise™, a web-based project management tool. This web-based application is a collaboration tool, which will allow all project team members continuous access through the Internet to important project data as well as up to the minute decision and approval status information.

e-Builder Enterprise™ is a comprehensive Project and Program Management system that the City will use to manage all project documents, communications and costs between the Lead Consultant, Sub-Consultants, Design Consultants, Contractor and Owner. e-Builder Enterprise™ includes extensive reporting capabilities to facilitate detailed project reporting in a web-based environment that is accessible to all parties and easy to use. Training will be provided for all consultants selected to provide services for the City of Pompano Beach.

2. Lead and Sub-Consultants shall conduct project controls outlined by the Owner, Project Manager, and/or Construction Manager, utilizing e-Builder Enterprise™. **The designated web-based application license(s) shall be provided by the City to the Prime Consultant and Sub-Consultants.** No additional software will be required.

Lead Consultant and Sub-Consultants shall have the responsibility for logging in to the project web site on a daily basis, and as necessary to be kept fully apprised of project developments and required action items. , These may include but are not limited to: Contracts, Contract Exhibits, Contract Amendments, Drawing Issuances, Addenda, Bulletins, Permits, Insurance & Bonds, Safety Program Procedures, Safety Notices, Accident Reports, Personnel Injury Reports, Schedules, Site Logistics, Progress Reports, Correspondence, Daily Logs, Non-Conformance Notices, Quality Control Notices, Punch Lists, Meeting Minutes, Requests for Information, Submittal Packages, Substitution Requests, Monthly Payment Request Applications, Supplemental Instructions, Owner Change Directives, Potential Change Orders, Change Order Requests, Change Orders and the like. All supporting data including but not limited to shop drawings, product data sheets, manufacturer data sheets and instructions, method statements, safety SDS sheets, Substitution Requests and the like will be submitted in digital format via e-Builder Enterprise™.

**E. Local Business Program**

On March 13, 2018, the City Commission approved Ordinance 2018-46, establishing a Local Business Program, a policy to increase the participation of City of Pompano Beach businesses in the City's procurement process.

For purposes of this solicitation, "Local Business" will be defined as follows:

1. **TIER 1 LOCAL VENDOR. POMPANO BEACH BUSINESS EMPLOYING POMPANO BEACH RESIDENTS.** A business entity which has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least ten percent who are residents of the City of Pompano Beach or includes

- subcontracting commitments to Local Vendors Subcontractors for at least ten percent of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.
2. **TIER 2 LOCAL VENDOR. BROWARD COUNTY BUSINESS EMPLOYING POMPANO BEACH RESIDENTS OR UTILIZING LOCAL VENDOR SUBCONTRACTORS.** A business entity which has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the respective Broward County municipality for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.
  3. **LOCAL VENDOR SUBCONTRACTOR. POMPANO BEACH BUSINESS.** A business entity which has maintained a permanent place of business within the city limits of the City of Pompano Beach. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

You can view the list of City businesses that have a current Business Tax Receipt on the City's website, and locate local firms that are available to perform the work required by the bid specifications. The business information, sorted by business use classification, is posted on the webpage for the Business Tax Receipt Division: [www.pompanobeachfl.gov](http://www.pompanobeachfl.gov) by selecting the Pompano Beach Business Directory in the Shop Pompano! section.

The City of Pompano Beach is **strongly committed** to insuring the participation of City of Pompano Beach Businesses as contractors and subcontractors for the procurement of goods and services, including labor, materials and equipment. Proposers are required to participate in the City of Pompano Beach's Local Business Program by including, as part of their package, the Local Business Participation Form (Exhibit A,) listing the local businesses that will be used on the contract, and the Letter of Intent Form (Exhibit B) from each local business that will participate in the contract.

**Please note that, while no goals have been established for this solicitation, the City encourages Local Business participation in *all* of its procurements.**

If a Prime Contractor/Vendor is not able to achieve the level of goal attainment of the contract, the Prime Vendor will be requested to demonstrate and document that good faith efforts were made to achieve the goal by providing the Local Business Unavailability Form (Exhibit C), listing firms that were contacted but not available, and the Good Faith Effort Report (Exhibit D), describing the efforts made to include local business participation in the contract. This documentation shall be provided to the City Commission for acceptance.

The awarded proposer will be required to submit "Local Business Subcontractor Utilization Reports" during projects and after projects have been completed. The reports will be submitted to the assigned City project manager of the project. The Local Business Subcontractor Utilization Report template and instructions have been included in the bid document.

Failure to meet Local Vendor Goal commitments will result in "unsatisfactory" compliance rating. Unsatisfactory ratings may impact award of future projects if a sanction is imposed by the City Commission.

The city shall award a Local Vendor preference based upon vendors, contractors, or subcontractors who are local with a preferences follows:

1. For evaluation purposes, the Tier 1 and Tier 2 businesses shall be a criterion for award in this Solicitation. No business may qualify for more than one tier level.
2. For evaluation purposes, local vendors shall receive the following preferences:
  - a. Tier 1 business as defined by this subsection shall be granted a preference in the amount of five percent of total score.
  - b. Tier 2 business as defined by this subsection shall be granted a preference in the amount of two and one-half percent of total score.
3. It is the responsibility of the awarded vendor/contractor to comply with all Tier 1 and Tier 2 guidelines. The awarded vendor/contractor must ensure that all requirements are met before execution of a contract.

**F. Required Proposal Submittal**

Sealed proposals shall be submitted electronically through the eBid System on or before the due date/time stated above. Proposer shall upload response as one (1) file to the eBid System. The file size for uploads is limited to 250 MB. If the file size exceeds 10 MB the response must be split and uploaded as two (2) separate files.

**Information to be included in the proposal:** In order to maintain comparability and expedite the review process, it is required that proposals be organized in the manner specified below, with the sections clearly labeled:

**Title page:**

Show the project name and number, the name of the Proposer's firm, address, telephone number, name of contact person and the date.

**Table of Contents:**

Include a clear identification of the material by section and by page.

**Letter of Transmittal:**

Briefly state the Proposer's understanding of the project and express a positive commitment to provide the services described herein. State the name(s) of the person(s) who will be authorized to make representations for the Proposer, their title(s), office and E-mail addresses and telephone numbers. Please limit this section to two pages.

**Technical Approach:**

Firms or teams shall submit their technical approach to the tasks described in the scope, including details of how each phase of the project would be completed, and how their firm proposes to maintain time schedules and cost controls.

**Schedule:**

Proposer shall provide a timeline that highlights proposed tasks that will meet all applicable deadlines.

**References:**

References for past projects in the tri-county area (Broward, Palm Beach, and Miami-Dade.) Describe the scope of each project in physical terms and by cost, describe the respondent's responsibilities, and provide the contact information (name, email, telephone number) of an individual in a position of responsibility who can attest to respondent's activities in relation to the project.

List any prior projects performed for the City of Pompano Beach.

**Project Team Form:**

Submit a completed "Project Team" form. The purpose of this form is to identify the key members of your team, including any specialty subconsultants.

**Organizational Chart:**

Specifically identify the management plan (if needed) and provide an organizational chart for the team. The proposer must describe at a minimum, the basic approach to these projects, to include reporting hierarchy of staff and sub-consultants, clarify the individual(s) responsible for the co-ordination of separate components of the scope of services.

**Statement of Skills and Experience of Project Team:**

Describe the experience of the entire project team as it relates to the types of projects described in the Scope section of this solicitation. Include the experience of the prime consultants as well as other members of the project team; i.e., additional personnel, sub-consultants, branch office, team members, and other resources anticipated to be utilized for this project. Name specific projects (successfully completed within the past five years) where the team members have performed similar projects previously.

**Resumes of Key Personnel**

Include resumes for key personnel for prime and subconsultants.

**Office Locations:**

Identify the location of the office from which services will be rendered, and the number of professional and administrative staff at the prime office location. Also identify the location

of office(s) of the prime and/or sub consultants that may be utilized to support any or all of the professional services listed above and the number of professional and administrative staff at the prime office location.

If firms are situated outside the local area, (Broward, Palm Beach, and Miami-Dade counties) include a brief statement as to whether or not the firm will arrange for a local office during the term of the contract, if necessary.

**Local Businesses:**

Completed Local Business program forms, Exhibits A-D.

NOTE: Form B must be signed by a representative of the subcontractor, NOT of the Prime.

**Litigation:**

Disclose any litigation within the past five (5) years arising out your firm's performance, including status/outcome.

**City Forms:**

The Proposer Information Page Form and any other required forms must be completed and submitted electronically through the City's eBid System. The City reserves the right to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

**Reviewed and Audited Financial Statements:**

Proposers shall be financially solvent and appropriately capitalized to be able to service the City for the duration of the contract. Proposers shall provide a complete financial statement of the firm's most recent audited financial statements, indicating organization's financial condition. Must be uploaded to the Response Attachments tab in the eBid System as a separate file titled "Financial Statements" and marked "CONFIDENTIAL."

Financial statements provided shall not be older than twelve (12) months prior to the date of filing this solicitation response. The financial statements are to be reviewed and submitted with any accompanying notes and supplemental information. The City of Pompano Beach reserve the right to reject financial statements in which the financial condition shown is of a date twelve (12) months or more prior to the date of submittals.

The City is a public agency subject to Chapter 119, Florida's Public Records Law and is required to provide the public with access to public records, however, financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure.

The City reserves the right to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

A combination of two (2) or more of the following may substitute for audited financial statements:

- 1) Bank letters/statements for the past 3 months
- 2) Balance sheet, profit and loss statement, cash flow report
- 3) IRS returns for the last 2 years
- 4) Letter from CPA showing profits and loss statements (certified)

## **G. Insurance**

CONTRACTOR shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the CITY's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to CITY staff responsible for oversight of the subject project/contract.

CONTRACTOR is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONTRACTOR, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONTRACTOR under this Agreement.

Throughout the term of this Agreement, CONTRACTOR and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

1. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONTRACTOR further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

2. Liability Insurance.

- (a) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONTRACTOR's negligent acts or omissions in connection with Contractor's performance under this Agreement.

(b) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance	Limits of Liability	
<b>GENERAL LIABILITY:</b>	Minimum \$1,000,000 Per Occurrence and \$2,000,000 Per Aggregate	
* Policy to be written on a claims incurred basis		
XX comprehensive form	bodily injury and property damage	
XX <b>premises - operations explosion &amp; collapse</b>	<b>bodily injury and property damage</b>	
— hazard		
— underground hazard		
XX products/completed operations hazard	bodily injury and property damage combined	
XX contractual insurance	bodily injury and property damage combined	
XX broad form property damage	bodily injury and property damage combined	
XX independent contractors	personal injury	
XX personal injury		
— sexual abuse/molestation	Minimum \$1,000,000 Per Occurrence and Aggregate	
— liquor legal liability	Minimum \$1,000,000 Per Occurrence and Aggregate	
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<b>AUTOMOBILE LIABILITY:</b>	Minimum \$1,000,000 Per Occurrence and Aggregate. Bodily injury (each person) bodily injury (each accident), Property damage, bodily injury and property damage combined.	
XX comprehensive form		
XX owned		
XX hired		
XX non-owned		
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<b>REAL &amp; PERSONAL PROPERTY</b>		
— comprehensive form	Agent must show proof they have this coverage.	
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<b>EXCESS LIABILITY</b>	Per Occurrence Aggregate	
— other than umbrella	bodily injury and property damage combined	\$1,000,000      \$1,000,000
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<b>PROFESSIONAL LIABILITY</b>	Per Occurrence Aggregate	
XX * Policy to be written on a claims made basis	\$1,000,000	\$1,000,000
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(c) If Professional Liability insurance is required, Contractor agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the

termination or expiration of the Agreement for a period of four (4) years unless terminated sooner by the applicable statute of limitations.

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**CYBER LIABILITY**

Per Occurrence Aggregate

___	* Policy to be written on a claims made basis	\$1,000,000	\$1,000,000
___	Network Security / Privacy Liability		
___	Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)		
___	Technology Products E&O - \$1,000,000 (only applicable for vendors supplying technology related services and or products)		
___	Coverage shall be maintained in effect during the period of the Agreement and for not less than four (4) years after termination/ completion of the Agreement.		

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3. Employer's Liability. If required by law, CONTRACTOR and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

4. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONTRACTOR, the CONTRACTOR shall promptly provide the following:

- (a) Certificates of Insurance evidencing the required coverage;
- (b) Names and addresses of companies providing coverage;
- (c) Effective and expiration dates of policies; and

(d) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

5. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

6. Waiver of Subrogation. CONTRACTOR hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONTRACTOR shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONTRACTOR enter into such an agreement on a pre-loss basis.

**H. Selection/Evaluation Process**

A Selection/Evaluation Committee will be appointed to select the most qualified firm(s). The Selection/Evaluation Committee will present their findings to the City Commission.

Proposals will be evaluated using the following criteria.

<b>Line</b>	<b>Criteria</b>	<b>Point Range</b>
1	Prior experience of the firm with projects of similar size and complexity: a. Number of similar projects b. Complexity of similar projects c. References from past projects performed by the firm d. Previous projects performed for the City (provide description) e. Litigation within the past 5 years arising out of firm's performance (list, describe outcome)	0-15
2	Qualifications of personnel including sub consultants: a. Organizational chart for project b. Number of technical staff c. Qualifications of technical staff: (1) Number of licensed staff (2) Education of staff (3) Experience of staff on similar projects	0-15
3	Proximity of the nearest office to the project location: a. Location b. Number of staff at the nearest office	0-15
4	Current and Projected Workload  Rating is to reflect the workload (both current and projected) of the firm, staff assigned, and the percentage availability of the staff member assigned. Respondents which fail to note both existing and projected workload conditions and percentage of availability of staff assigned shall receive zero (0) points	0-15
5	Demonstrated Prior Ability to Complete Project on Time  Respondents will be evaluated on information provided regarding the firm's experience in the successful completion and steadfast conformance to similar project schedules. Provide an example of successful approaches utilized to achieve a timely project completion. Respondents who demonstrate the ability to complete projects on time shall receive more points.	0-15
6	Demonstrated Prior Ability to Complete Project on Budget	0-15

Proposers will be evaluated on their ability to adhere to initial design budgets. Examples provided should show a comparison between initial negotiated task costs and final completion costs. Respondents should explain in detail any budgetary overruns due to scope modifications. Respondents which fail to provide schedule and budget information as requested will receive zero (0) points.

7 Is the firm a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985? (Certification of any sub-contractors should also be included with the response.) 0-10

Additional 0-5% for Tier1/Tier2 Local Business will be calculated on combined scoring totals of each company.

**NOTE:**

Financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure; however, financial statements submitted to prequalify for a solicitation, and are not required by the City, may be subject to public disclosure.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

The Committee has the option to use the above criteria for the initial ranking to short-list Proposers and to use an ordinal ranking system to score short-listed Proposers following presentations (if deemed necessary) with a score of "1" assigned to the short-listed Proposer deemed most qualified by the Committee.

Each firm should submit documentation that evidences the firm's capability to provide the services required for the Committee's review for short listing purposes. After an initial review of the Proposals, the City may invite Proposers for an interview to discuss the proposal and meet firm representatives, particularly key personnel who would be assigned to the project. Should interviews be deemed necessary, it is understood that the City shall incur no costs as a result of this interview, nor bear any obligation in further consideration of the submittal.

When more than three responses are received, the committee shall furnish the City Commission (for their approval) a listing, in ranked order, of no fewer than three firms deemed to be the most highly qualified to perform the service. If three or less firms respond to the Solicitation, the list will contain the ranking of all responses.

The City Commission has the authority to (including, but not limited to); approve the recommendation; reject the recommendation and direct staff to re-advertise the solicitation; or, review the responses themselves and/or request oral presentations and determine a ranking order that may be the same or different from what was originally presented to the City Commission.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

**I. Hold Harmless and Indemnification**

Proposer covenants and agrees that it will indemnify and hold harmless the City and all of its officers, agents, and employees from any claim, loss, damage, cost, charge or expense arising out of any act, action, neglect or omission by the Proposer, whether direct or indirect, or whether to any person or property to which the City or said parties may be subject, except that neither the Proposer nor any of its subcontractors will be liable under this section for damages arising out of injury or damage to persons or property directly caused by or resulting from the sole negligence of the City or any of its officers, agents or employees.

**J. Right to Audit**

Contractor's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, subcontract files (including proposals of successful and unsuccessful bidders), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the contractor or any of his payees pursuant to the execution of the contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this contract.

For the purpose of such audits, inspections, examinations and evaluations, the Owner's agent or authorized representative shall have access to said records from the effective date of this contract, for the duration of the Work, and until 5 years after the date of final payment by Owner to Consultant pursuant to this contract.

Owner's agent or its authorized representative shall have access to the Contractor's facilities, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article. Owner's agent or its authorized representative shall give auditees reasonable advance notice of intended audits.

Contractor shall require all subcontractors, insurance agents, and material suppliers (payees) to comply with the provisions of this article by insertion of the requirements hereof in any written contract agreement. Failure to obtain such written contracts which include such provisions shall be reason to exclude some or all of the related payees' costs from amounts payable to the Contractor pursuant to this contract.

**K. Retention of Records and Right to Access**

The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:

1. Keep and maintain public records required by the City in order to perform the service;
2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;
3. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;
4. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and
5. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

**L. Communications**

No negotiations, decisions, or actions shall be initiated or executed by the firm as a result of any discussions with any City employee. Only those communications, which are in writing from the City, may be considered as a duly authorized expression on behalf of the City. In addition, only communications from firms that are signed and in writing will be recognized by the City as duly authorized expressions on behalf of firms.

**M. No Discrimination**

There shall be no discrimination as to race, sex, color, age, religion, or national origin in the operations conducted under any contract with the City.

**N. Independent Contractor**

The selected firm will conduct business as an independent contractor under the terms of this contract. Personnel services provided by the firm shall be by employees of the firm and subject to supervision by the firm, and not as officers, employees, or agents of the City. Personnel policies, tax responsibilities, social security and health insurance,

employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this agreement shall be those of the firm.

**O. Staff Assignment**

The City of Pompano Beach reserves the right to approve or reject, for any reasons, Proposer's staff assigned to this project at any time. Background checks may be required.

**P. Contract Terms**

The contract resulting from this Solicitation shall include, but not be limited to the following terms:

The contract shall include as a minimum, the entirety of this Solicitation document, together with the successful Proposer's proposal. Contract shall be prepared by the City of Pompano Beach City Attorney.

If the City of Pompano Beach defends any claim, demand, cause of action, or lawsuit arising out of any act, action, negligent acts or negligent omissions, or willful misconduct of the contractor, its employees, agents or servants during the performance of the contract, whether directly or indirectly, contractor agrees to reimburse the City of Pompano Beach for all expenses, attorney's fees, and court costs incurred in defending such claim, cause of action or lawsuit.

**Q. Waiver**

It is agreed that no waiver or modification of the contract resulting from this Solicitation, or of any covenant, condition or limitation contained in it shall be valid unless it is in writing and duly executed by the party to be charged with it, and that no evidence of any waiver or modification shall be offered or received in evidence in any proceeding, arbitration, or litigation between the parties arising out of or affecting this contract, or the right or obligations of any party under it, unless such waiver or modification is in writing, duly executed as above. The parties agree that the provisions of this paragraph may not be waived except by a duly executed writing.

**R. Survivorship Rights**

This contract resulting from this Solicitation shall be binding on and inure to the benefit of the respective parties and their executors, administrators, heirs, personal representative, successors and assigns.

**S. Termination**

The contract resulting from this Solicitation may be terminated by the City of Pompano Beach without cause upon providing contractor with at least sixty (60) days prior written notice.

Should either party fail to perform any of its obligations under the contract resulting from this Solicitation for a period of thirty (30) days after receipt of written notice of such failure, the non-defaulting part will have the right to terminate the contract immediately upon delivery of written notice to the defaulting part of its election to do so. The foregoing rights of termination are in addition to any other rights and remedies that such party may have.

**T. Manner of Performance**

Proposer agrees to perform its duties and obligations under the contract resulting from this Solicitation in a professional manner and in accordance with all applicable local, federal and state laws, rules and regulations.

Proposer agrees that the services provided under the contract resulting from this Solicitation shall be provided by employees that are educated, trained and experienced, certified and licensed in all areas encompassed within their designated duties. Proposer agrees to furnish the City of Pompano Beach with all documentation, certification, authorization, license, permit, or registration currently required by applicable laws or rules and regulations. Proposer further certifies that it and its employees are now in and will maintain good standing with such governmental agencies and that it and its employees will keep all license, permits, registration, authorization or certification required by applicable laws or regulations in full force and effect during the term of this contract. Failure of Proposer to comply with this paragraph shall constitute a material breach of contract.

**U. Acceptance Period**

Proposals submitted in response to this Solicitation must be valid for a period no less than ninety (90) days from the closing date of this solicitation.

**V. Conditions and Provisions**

The completed proposal (together with all required attachments) must be submitted electronically to City on or before the time and date stated herein. All Proposers, by electronic submission of a proposal, shall agree to comply with all of the conditions, requirements and instructions of this solicitation as stated or implied herein. All proposals and supporting materials submitted will become the property of the City.

Proposer's response shall not contain any alteration to the document posted other than entering data in spaces provided or including attachments as necessary. By submission of a response, Proposer affirms that a complete set of bid documents was obtained from the eBid System or from the Purchasing Division only and no alteration of any kind has been made to the solicitation. Exceptions or deviations to this proposal may not be added after the submittal date.

All Proposers are required to provide all information requested in this solicitation. Failure to do so may result in disqualification of the proposal.

The City reserves the right to postpone or cancel this solicitation, or reject all proposals, if in its sole discretion it deems it to be in the best interest of the City to do so.

The City reserves the right to waive any technical or formal errors or omissions and to reject all proposals, or to award contract for the items herein, in part or whole, if it is determined to be in the best interests of the City to do so.

The City shall not be liable for any costs incurred by the Proposer in the preparation of proposals or for any work performed in connection therein.

**W. Standard Provisions**1. Governing Law

Any agreement resulting from this Solicitation shall be governed by the laws of the State of Florida, and the venue for any legal action relating to such agreement will be in Broward County, Florida.

2. Licenses

In order to perform public work, the successful Proposer shall:

Be licensed to do business in Florida, if an entity, and hold or obtain such Contractor' and Business Licenses if required by State Statutes or local ordinances.

3. Conflict Of Interest

For purposes of determining any possible conflict of interest, each Proposer must disclose if any Elected Official, Appointed Official, or City Employee is also an owner, corporate officer, or an employee of the firm. If any Elected Official, Appointed Official, or City Employee is an owner, corporate officer, or an employee, the Proposer must file a statement with the Broward County Supervisor of Elections pursuant to §112.313, Florida Statutes.

4. Drug Free Workplace

The selected firm(s) will be required to verify they will operate a "Drug Free Workplace" as set forth in Florida Statute, 287.087.

5. Public Entity Crimes

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute, Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

6. Patent Fees, Royalties, And Licenses

If the selected Proposer requires or desires to use any design, trademark, device, material or process covered by letters of patent or copyright, the selected Proposer and his surety shall indemnify and hold harmless the City from any and all claims for infringement by reason of the use of any such patented design, device, trademark, copyright, material or process in connection with the work agreed to be performed and shall indemnify the City from any cost, expense, royalty or damage

which the City may be obligated to pay by reason of any infringement at any time during or after completion of the work.

7. Permits

The selected Proposer shall be responsible for obtaining all permits, licenses, certifications, etc., required by federal, state, county, and municipal laws, regulations, codes, and ordinances for the performance of the work required in these specifications and to conform to the requirements of said legislation.

8. Familiarity With Laws

It is assumed the selected firm(s) will be familiar with all federal, state and local laws, ordinances, rules and regulations that may affect its services pursuant to this Solicitation. Ignorance on the part of the firm will in no way relieve the firm from responsibility.

9. Withdrawal Of Proposals

A firm may withdraw its proposal without prejudice no later than the advertised deadline for submission of proposals by written communication to the General Services Department, 1190 N.E. 3<sup>rd</sup> Avenue, Building C, Pompano Beach, Florida 33060.

10. Composition Of Project Team

Firms are required to commit that the principals and personnel named in the proposal will perform the services throughout the contractual term unless otherwise provided for by way of a negotiated contract or written amendment to same executed by both parties. No diversion or substitution of principals or personnel will be allowed unless a written request that sets forth the qualifications and experience of the proposed replacement(s) is submitted to and approved by the City in writing.

11. Invoicing/Payment

All invoices should be sent to City of Pompano Beach, Accounts Payable, P.O. Drawer 1300, Pompano Beach, Florida, 33061. In accordance with Florida Statutes, Chapter 218, payment will be made within 45 days after receipt of a proper invoice.

12. Public Records

- a. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:
  - i. Keep and maintain public records required by the City in order to perform the service;

- ii. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;
  - iii. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and
  - iv. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.
- b. Failure of the Contractor to provide the above described public records to the City within a reasonable time may subject Contractor to penalties under 119.10, Florida Statutes, as amended.

## **PUBLIC RECORDS CUSTODIAN**

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK  
100 W. Atlantic Blvd., Suite 253  
Pompano Beach, Florida 33060  
(954) 786-4611  
[RecordsCustodian@copbfl.com](mailto:RecordsCustodian@copbfl.com)**

### **X. Questions and Communication**

All questions regarding the Solicitation are to be submitted using the Questions feature in the eBid System. Questions must be received at least seven (7) calendar days before the scheduled solicitation opening. Oral and other interpretations or clarifications will be without legal effect. Addenda will be posted to the solicitation in the eBid System, and it

is the Proposer's responsibility to obtain all addenda before submitting a response to the solicitation.

**Y. Addenda**

The issuance of a written addendum or posting of an answer in response to a question submitted using the Questions feature in the eBid System are the only official methods whereby interpretation, clarification, or additional information can be given. If any addenda are issued to this solicitation the addendum will be issued via the eBid System. It shall be the responsibility of each Proposer, prior to submitting their response, to contact the City Purchasing Office at (954) 786-4098 to determine if addenda were issued and to make such addenda a part of their proposal. Addenda will be posted to the solicitation in the eBid System.

**Z. Contractor Performance Report**

The City will utilize the Contractor Performance Report to monitor and record the successful proposer's performance for the work specified by the contract. The Contractor Performance Report has been included as an exhibit to this solicitation.

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

***PROPOSER INFORMATION PAGE***

\_\_\_\_\_, \_\_\_\_\_  
(number) (Title)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the solicitation. I have read the solicitation and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) \_\_\_\_\_ Title \_\_\_\_\_

Company (Legal Registered) \_\_\_\_\_

Federal Tax Identification Number \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

Email Address \_\_\_\_\_

**COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

**PROJECT TEAM**

SOLICITATION NUMBER \_\_\_\_\_

Federal I.D.# \_\_\_\_\_

**PRIME**

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	_____	_____	_____
Other Key Member	_____	_____	_____

**SUB-CONSULTANT**

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____	_____
Landscaping	_____	_____
Engineering	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

**VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS**

Respondent Vendor Name: \_\_\_\_\_

Vendor FEIN: \_\_\_\_\_

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Further, Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify



### Exhibit – Contractor Performance Report

CATEGORY	RATING	COMMENTS
<b>1. Quality Assurance/Quality Control</b> - Product/Services of high quality - Proper oversight - Communication	Poor =1 Satisfactory =2 Excellent =3	
<b>2. Record Keeping</b> -Accurate record keeping -Proper invoicing -Testing results complete	Poor =1 Satisfactory =2 Excellent =3	
<b>3. Close-Out Activities</b> - Restoration/Cleanup - Deliverables met - Punch list items addressed	Poor =1 Satisfactory =2 Excellent =3	
<b>4. Customer Service</b> - City Personnel and Residents - Response time - Communication	Poor =1 Satisfactory =2 Excellent =3	
<b>5. Cost Control</b> - Monitoring subcontractors - Change-orders - Meeting budget	Poor =1 Satisfactory =2 Excellent =3	
<b>6. Construction Schedule</b> - Adherence to schedule - Time-extensions - Efficient use of resources	Poor =1 Satisfactory =2 Excellent =3	
<b>SCORE</b>	_____	<b>ADD ABOVE RATINGS/DIVIDE TOTAL BY NUMBER OF CATEGORIES BEING RATED</b>

#### **RATINGS**

**Poor Performance (1.0 – 1.59):** Marginally responsive, effective and/or efficient; delays require significant adjustments to programs; key employees marginally capable; customers somewhat satisfied.

**Satisfactory Performance (1.6 – 2.59):** Generally responsive, effective and/or efficient; delays are excusable and/or results in minor program adjustments; employees are capable and satisfactorily providing service without intervention; customers indicate satisfaction.

**Excellent Performance (2.6 – 3.0):** Immediately responsive; highly efficient and/or effective; no delays; key employees are experts and require minimal direction; customers expectations are exceeded.



## City of Pompano Beach Florida

### Local Business Subcontractor Utilization Report

Project Name (1)		Contract Number and Work Order Number (if applicable) (2)	
Report Number (3)	Reporting Period (4) to	Local Business Contract Goal (5)	Estimated Contract Completion Date (6)
Contractor Name (7)		Contractor Telephone Number (8) ( ) -	Contractor Email Address (9)
Contractor Street Address (10)	Project Manager Name (11)	Project Manager Telephone Number (12) ( ) -	Project Manager Email Address (13)

<b>Local Business Payment Report</b>						
Federal Identification Number (14)	Local Subcontractor Business Name (15)	Description of Work (16)	Project Amount (17)	Amount Paid this Reporting Period (18)	Invoice Number (19)	Total Paid to Date (20)
<b>Total Paid to Date for All Local Business Subcontractors (21) \$</b>						<b>0.00</b>

**I certify that the above information is true to the best of my knowledge.**

Contractor Name – Authorized Personnel (print) (22)	Contractor Name – Authorized Personnel (sign) (23)	Title (24)	Date (25)
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**Local Business Subcontractor Utilization Report Instructions**

- Box (1) Project Name** – Enter the entire name of the project.
- Box (2) Contract Number (work order)** – Enter the contract number and the work order number, if applicable (i.e., 4600001234, and if work order contract include work order number – 4600000568 WO 01).
- Box (3) Report Number** - Enter the Local Business Subcontractor Utilization Report number. Reports must be in a numerical series (i.e., 1, 2, 3).
- Box (4) Reporting Period** - Enter the beginning and end dates this report covers (i.e., 10/01/2016 – 11/01/2016).
- Box (5) Local Contract Goal** - Enter the Local Contract Goal percentage on entire contract.
- Box (6) Contract Completion Date** - Enter the expiration date of the contract, (not work the order).
- Box (7) Contractor Name** - Enter the complete legal business name of the Prime Contractor.
- Box (8) Contractor Telephone Number** - Enter the telephone number of the Prime Contractor.
- Box (9) Contractor Email Address** - Enter the email address of the Prime Contractor.
- Box (10) Contractor Street Address** – Enter the mailing address of the Prime Contractor.
- Box (11) Project Manager Name** - Enter the name of the Project Manager for the Prime Contractor on the project.
- Box (12) Project Manager Telephone Number** – Enter the direct telephone number of the Prime Contractor’s Project Manager.
- Box (13) Project Manager Email Address** – Enter the email address of the Prime Contractor’s Project Manager.
- Box (14) Federal Identification Number** – Enter the federal identification number of the Local Subcontractor(s).
- Box (15) Local Subcontractor Business Name** – Enter the complete legal business name of the Local Subcontractor(s).
- Box (16) Description of Work** – Enter the type of work being performed by the Local Subcontractor(s) (i.e., electrical services).
- Box (17) Project Amount** – Enter the dollar amount allocated to the Local Subcontractor(s) for the entire project (i.e., amount in the subcontract agreement).

- Box (18) Amount Paid this Reporting Period** – Enter the total amount paid to the Local Subcontractor(s) during the reporting period.
- Box (19) Invoice Number** – Enter the Local Subcontractor's invoice number related to the payment reported this period.
- Box (20) Total Paid to Date** – Enter the total amount paid to the Local Subcontractor(s) to date.
- Box (21) Total Paid to Date for All Local Subcontractor(s)** – Enter the total dollar amount paid to date to all Local Subcontractors listed on the report.
- Box (22) Contractor Name Authorized Personnel (print)** – Print the name of the employee that is authorized to execute the Local Subcontractor Utilization Report.
- Box (23) Contractor Name Authorized Personnel (sign)** – Signature of authorized employee to execute the Local Subcontractor Utilization Report.
- Box (24) Title** – Enter the title of authorized employee completing the Local Subcontractor Utilization Report.
- Box (25) Date** – Enter the date of submission of the Local Subcontractor Utilization Report to the City.





LOCAL BUSINESS EXHIBIT "C"  
LOCAL BUSINESS UNAVAILABILITY FORM

Solicitation # \_\_\_\_\_

I, \_\_\_\_\_  
(Name and Title)

of \_\_\_\_\_, certify that on the \_\_\_\_\_ day of

\_\_\_\_\_, \_\_\_\_\_, I invited the following LOCAL BUSINESS(es) to bid work  
(Month) (Year)

items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Said Local Businesses:

- \_\_\_ Did not bid in response to the invitation
- \_\_\_ Submitted a bid which was not the low responsible bid
- \_\_\_ Other: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Attach additional documents as available.

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS EXHIBIT "D"  
GOOD FAITH EFFORT REPORT LOCAL BUSINESS PARTICIPATION

Solicitation # \_\_\_\_\_

1. What portions of the contract have you identified as Local Business opportunities?

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2. Did you provide adequate information to identified Local Businesses? Please comment on how you provided this information.

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3. Did you send written notices to Local Businesses?

\_\_\_ Yes      \_\_\_ No

If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?

\_\_\_ Yes      \_\_\_ No

If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?

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7. List the Local Businesses you will utilize and subcontract amount.

_____	\$ _____
_____	\$ _____
_____	\$ _____

8. Other comments: \_\_\_\_\_

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LOCAL BUSINESS EXHIBIT "D"

# CITY OF POMPANO BEACH

REQUEST FOR LETTERS OF INTEREST  
E-20-20

CONTINUING CONTRACT FOR CIVIL ENGINEERING  
SERVICES FOR VARIOUS CITY PROJECTS



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

In Association with:

Florida Engineering & Testing, Inc.  
Compass Point Surveyors, PL  
Cotleur & Hearing Landscape Architecture, LLC

Date:  
July 30, 2020



CITY OF POMPANO BEACH  
RLI # E-20-20

# Section 1

## Title Page



CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 1 – Title Page

Project Name: Continuing Contract for Civil Engineering  
Services for Various City Projects

Project Number: RLI# E-20-20

Proposer Name: R.J. Behar & Company, Inc.

Address: 6861 SW 196<sup>th</sup> Avenue, Suite 302  
Pembroke Pines, Florida 33332

Telephone Number: (954) 680-7771

Fax Number: (954) 680-7781

Contact Person: Hans Murzi, PE – Project Manager

Email Address: Hmurzi@rjbehar.com

Date: July 30, 2020



CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 2

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## Section 2 – Table of Contents

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CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 3

### Letter of Transmittal



# R.J.Behar & Company, Inc.

Engineers • Planners

July 30, 2020

Mr. Jeff English  
 Purchasing Department  
 City of Pompano Beach  
 1190 NE 3<sup>rd</sup> Avenue, Building C  
 Pompano Beach, Florida 33060

**RE: Request for Letter of Transmittal – RLI # E-20-20**  
**Continuing Contract for Civil Engineering Services for Various City Projects**

Dear Mr. English:

**R.J. Behar & Company, Inc. (RJ Behar)** is pleased to submit this **Letter of Transmittal** to serve the City of Pompano Beach to provide professional engineering services for the Continuing Contract for Civil Engineering Services for Various City Projects. We are complementing our team with **Florida Engineering & Testing, Inc. (FE&T) {MBE}** who will provide the geotechnical engineering and testing services, **Compass Point Surveyors, PL (CPS)** who will provide surveying engineering services, and **Coteleur & Hearing Landscape Architecture, LLC (C&H)** who will provide landscape architectural services.

We are confident that we can provide the quality professional services you need for successful completion of this contract. **RJ Behar** was founded in 1999 to provide consulting services to public and private clients in South Florida. We offer 32 members of our professional staff along with 13 Registered Professional Engineers. Our steady growth has been based on providing quality services with a client service-oriented approach. **RJ Behar** is a minority owned firm, currently certified as a minority business, small business and/or disadvantaged business with the State of Florida, Florida Department of Transportation, Miami-Dade County, and the South Florida Water Management District.

**UNDERSTANDING THE SCOPE:** We understand the nature of continuing services contracts and have assembled a team who is able to provide a comprehensive list of services and can handle concurrent assignments without compromising the quality and promptness of deliverables. Our organizational chart reflects our complete understanding of the anticipated task assignments and the various disciplines needed to complete those tasks. Our goals for these types of contracts are the following:

- ❖ *Respond quickly to requests for proposals for specific tasks,*
- ❖ *Work as an extension of City's Staff with a service-oriented approach,*
- ❖ *Provide sufficient staff to be able to adhere to any schedule required by the City,*
- ❖ *Adhere strictly to budgets set by the City, and*
- ❖ *Conduct in-house quality control reviews of all deliverables to eliminate potential construction claims or delays.*

**RJ Behar's** Team is extremely qualified and experienced to address all the needs and requirements of the scope of work for this continuing services contract due to our extensive experience with municipal work. In fact, we have specialized in public sector clients and have no private sector clients that can create conflict of interest issues during the contract duration. The entire professional team assembled for this RLI fully understands the scope and are capable of meeting its requirements. We commit all of our resources to accomplish any job, on time and within budget. When undertaking a civil engineering project, we try to incorporate a number of sustainable and innovative designs, while keeping in mind our client's budget.

**STAFF EXPERTISE:** **RJ Behar** is a full-service engineering firm offering services in *Civil, Sanitary Sewer Design, Water Distribution Systems Design, Stormwater Master Planning, Green Building Design, Site Planning and Engineering Design, Traffic Engineering, Transportation Planning, Roadway/Highway Design, Street Lighting, Engineering Plans*

*Review, Municipal Engineering, Environmental Engineering, Storm Drainage Design, Structural, Construction Engineering and Inspection and Construction Management, Threshold Inspections, Building Code Inspections, and Expert Witness for Eminent Domain Proceedings.* We are confident that we can offer the quality professional services you need for successful completion of this contract.

**COMMITMENT TO PROVIDE PERSONALIZED SERVICE:** The **RJ Behar Team** is qualified and experienced to address all the needs and requirements of the scope of work for this contract. **Mr. Hans Murzi, PE, CFM** will serve as the Project Manager and point of contact for this contract. He can be reached at 954-680-7771, fax: 954-680-7781, e-mail: [hmurzi@rjbehar.com](mailto:hmurzi@rjbehar.com). He has over 18 years of engineering experience, including significant experience in the design of municipal projects. His multifaceted expertise in both engineering and design make him a valuable addition to project teams. Mr. Murzi serves as one of two District Drainage Engineers for the *Central Broward Water Control District* and is currently the project manager on the on a City of Pompano Beach project, Lyons Neighborhood Improvement Project – Final Design. His pro-active management style is geared towards providing cost-efficient, on-schedule and successful projects. He is particularly well-suited for this assignment because of his previous experience on numerous civil engineering projects as well as neighborhood improvement projects. As a Project Manager, he will take an active role in ensuring quality in all deliverables to you. We are confident that we can offer you the quality professional services you need for successful completion of this contract. **Mr. Robert Behar, PE**, president, and **Mr. Juan H. Vazquez, PE**, vice president, will also be available to respond and provide personalized services to your projects.

In addition, **RJ Behar** has a complete understanding of all federal and state regulations related to project funding; we have provided assistance to some of our clients to obtain federal grants to develop some of their projects. We have personnel who have worked on numerous Federally Funded, LAP, and ARRA projects and they are extremely familiar with all of the requirements involved in these projects. From our project examples listed within the proposal, you will see that **RJ Behar's Staff** has extensive experience working on general engineering services contracts for many agencies.

**FAMILIARITY WITH PERMITTING AGENCIES:** **RJ Behar** has extensive experience with permitting roadway, drainage, water and sewer and site development projects. Our experience has been enhanced while providing similar services to other municipal, county and state clientele. The relevant agencies and types of permits in which the **RJ Behar Staff** has been involved include: *Broward County, U.S. Army Corps of Engineers (USACE), Florida Department of Environmental Protection (FDEP), U.S. Coast Guard, South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT); Local Drainage Districts such as Central Broward Water Control District, South Broward Water Control District; Broward County Water Management Division (WMD), and Sunshine Water Control District.* From our project examples listed within the proposal, you will see that **RJ Behar's Staff** has extensive experience working on general engineering services contracts for many agencies.

**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 principle. Our *"we do it right"* attitude and the professionalism of the **RJ Behar Team** will enable us to serve the City better as we will strive to exceed your expectations. Our team is most excited to continue our working relationship with the City Pompano Beach on this contract and, should we be fortunate enough to be selected, I pledge to provide personalized services throughout this contract.

As President, I personally will assure the overall successful completion, in terms of quality, timeliness, and budget. For the team, I enthusiastically offer this proposal and look forward to continuing our relationship with the City of Pompano Beach and **R.J. Behar & Company, Inc.**

Sincerely,

**R. J. BEHAR & COMPANY, INC.**



Robert J. Behar, P.E.  
President



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# Section 4

## Technical Approach



## CITY OF POMPANO BEACH RLI # E-20-20

### Section 4 – Technical Approach

This proposal describes RJ Behar's approach to Continuing Engineering Services (task work order) contracts. Our firm provides similar services to governments agencies such as: Florida Department of Transportation, South Florida Water Management District, City of Miami, City of Hialeah, City of Coconut Creek, Town of Davie, Miami-Dade County, and Palm Beach County. We have developed procedures and spreadsheets to track and manage the assigned tasks. We provide monthly progress reports of each task with all information and issues that may affect schedules.

In this type of contract, the most important issue is responsiveness. General Service Contracts are a tool that the City utilizes to undertake projects that sometimes develop unexpectedly ("walk-in projects") and require expeditious response. This kind of project usually does not fit the workload plans of the in house staff, requiring the use of this tool. They also offer the opportunity to reduce any backlog of work and to provide expertise in specialized areas.

*Our objective in these contracts is to provide the client with high quality, timely professional services in support of the Client's Mission. We commit ourselves to be an extension of their staff and to "tailor fit" our services to provide specifically what the client desires. Our project manager provides direction and is responsible to the client for the quality and timeliness of the work, whether it is provided by RJ Behar or our specialty subconsultants.*

In order to accomplish these objectives, **RJ Behar** will:

- Assemble a Project Team whose experience specifically matches the services requested in the scope of work.
- Adhere to our in-house quality assurance program.
- Establish a project schedule, which is to be monitored by the Project Manager.
- Maintain strict coordination within our in-house staff, the City's staff, utility companies, and the permitting agencies.
- 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.

Continuing Engineering Services contracts can vary in type, sizes, and scope. We are prepared to be responsive and flexible in meeting the City's requirements and schedules and commit all of our resources to achieve this goal. For this contract, we have assembled a comprehensive team of experts who will be available to provide any service, from planning and detailed design to construction inspection.

Our project approach will be 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** will serve as Principal-in-Charge. He is the firms' president and is involved in every company project.
2. Our project manager, Mr. Hans Murzi, PE, CFM, is a professional engineer registered in the State of Florida with ample experience in these types of projects. He is also a Certified Floodplain Manager (CFM). **The project manager is responsible for the preparation of the scope of services, procedure, staffing, work plan, schedules, estimated fee, and will have direct responsibility of the task completion.**
3. As the task/assignment is identified and the City requires our services, the team will be assembled for the specific task. The team will include those disciplines required to the successful completion of the task.
4. Each Task Order shall include: a detailed description of the work to be performed; a schedule of completion (including phases) for the work authorized; and the amount and method of compensation. The Task Orders may contain additional instructions or provisions specific to the authorized work for the purpose of expanding upon certain aspects of the Contract pertinent to the work to be undertaken.
5. After approval from the City of the scope and work plan, **RJ Behar** will proceed with the project development and



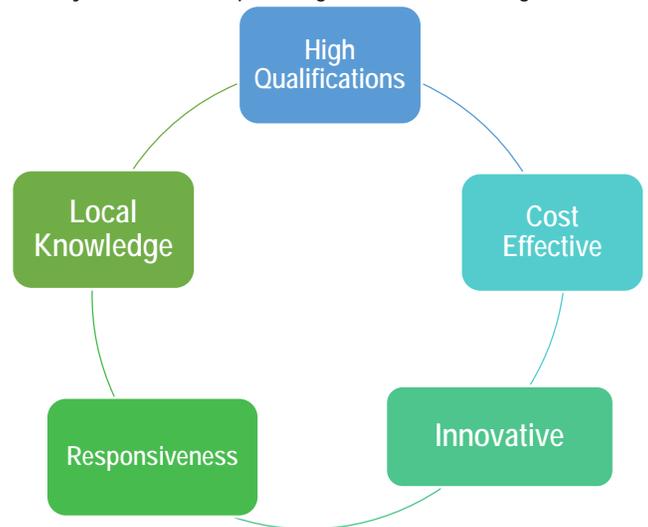
## CITY OF POMPANO BEACH

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- preparation of deliverables.
6. Each deliverable will be subject to a comprehensive quality control review in accordance with our Quality Assurance/Quality Control (QA/QC) program.

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

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



#### *MANAGEMENT*

[RJ Behar](#) has 13 Professional Engineers and 32 employees available to assist the City of Pompano Beach. Please refer to our team organization chart. 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 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.

#### *WORK PLAN IMPLEMENTATION*

The work plans for the various projects and task orders under consideration may vary greatly. [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 the relevant team members to discuss





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the scope, work plan, and schedules. It serves to ensure that all team members are in consonance and working towards the same goal. Project coordination will continue with meetings at the major milestones for 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. Of course, the following will be modified appropriately for the specific task order. All information and gathered data will be provided to the City in electronic format.

**TASK 3 – FIELD REVIEWS:** RJ Behar will schedule a field review with the City's Staff, if necessary. These may include the City's Manager and other City Departments. 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. The RJ Behar Team will assess the scope of the proposed improvements. In order to facilitate our team in the scope assessment, 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. In the event that the City's representative is unavailable for the site meeting, RJ Behar will furnish 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 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.

**TASK 4 – TRAFFIC DATA COLLECTION (AS REQUIRED):** RJ Behar has in-house technological capabilities for collecting all the necessary traffic data. We have our own traffic counters that can produce volume, speed, and vehicle classification studies. We also own intersection turning movement collection devices and staff trained in its use. All the necessary traffic data will be collected by RJ Behar's Staff, which will make it a more efficient and economical project component.

#### *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 Project Manager. We will try to minimize the City's day-to-day involvement by keeping the City's Project Manager informed electronically (e-mail). Mr. Murzi 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 POMPANO BEACH:** As previously discussed, we will keep the City's Project Manager well-informed of all project issues at all times. Recognizing that City's Project Manager may be managing numerous projects at any given time; therefore, we will try to accommodate his/her day-to-day involvement by 1) *obtaining needed information ourselves*, 2) *maximizing electronic information transfer (e-mail)*, 3) *conference calls*, and/or 4) *prompt meeting minutes*. We will schedule progress meetings as often as the City's Project Manager desires. A progress report will be provided on a monthly basis including required action items and who is to follow up. The City's Project Manager is the voice for the City and, therefore, we will coordinate with him/her 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 of the agencies. It is important to note that we propose to have a kick-off meeting at the beginning of the task with the City's Project Manager and our key staff. This meeting will ensure that the project gets started on the "right foot." 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. We will make ourselves available to provide the services that the City needs. On all public meetings we will keep minutes or recordings as needed for documentation.



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- **COMMUNICATION:** RJ Behar recognizes the importance of communicating during the course of 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, which will include minutes of meetings with all entities involved.
- **COMMUNICATION WITH OTHER CITY CONSULTANTS:** RJ Behar will also coordinate with the other City Consultants as needed, which may include architects, surveyors, and geotechnical engineers.

**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, Primavera, and E-Builder software for scheduling and managing our projects. Our management methodology is best summarized as follows:

- **Staffing Plan:** Please refer to our team organization chart.
- **Weekly In-House Meetings:** We hold weekly in-house staff meetings with detailed action items to track schedules, budgets, and design activities.
- **Monthly Progress Meetings:** Our Project Manager will meet with the City's Project Manager on a monthly basis 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 have obtained 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 Pompano Beach 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. Major design decisions will be coordinated with City's Staff through the City's Project Manager. This timely involvement allows our team to avoid false starts and eliminates significant design changes at the submittals.

An example of our weekly meeting spreadsheet is located to the right. This spreadsheet is used to track milestone dates, action items, and staffing requirements. These are inter-related and are monitored in order to ensure schedule control.

**BUDGET CONTROL**

RJ Behar is fully aware of the municipal financial constraints and has put several key steps in place to help with reducing costs. We utilize spreadsheets and the sophisticated Ajera 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 task are allocated the necessary resources. RJ Behar has an excellent track-record for delivering projects within budget.

CURRENT PROJECTS							
PROJECT	PLD FEE AMOUNT	PERSONS ASSIGNED	PLD REMAIN REVENUE	PLD PROJ #	PLD MANAGER	PROJECT START	LOGS FILE
ALTON ROAD <i>FOOT CIST</i>	\$ 421,704.00	M.GONZALEZ	\$ 3,374.00	00019	IMAGPSSO	12.8.09	1 FEE PROPOSAL - SEGMENT NO. 3 SUBMITTED 11.21.09 (ON-4) 2 PAST DUE INVOICES (FOLLOW UP WITH DAVID MENDEZ) 3 FINAL WALK THROUGH SEGMENT # 02.28.09
WEST AVENUE/DAY ROAD <i>CITY OF ABBAM BEACH (GLATTING-JACKSON)</i>	\$ 245,972.00		\$ 89,987.00	01021	R.BOLT	08.14.09	1 PLANNING PHASE - PENDING NTP FROM GLATTING-JAC 2 ADDITIONAL CONSTRUCTION SERVICES - GLATTING JACKSON 3 FEE PROPOSAL - HISTORIC SITE ISSUES PENDING NTP FROM 4 NEGOTIATION AMENDMENT NO. 4 PENDING CITY'S ACTION 5 PREPARE BOOK WEST AVENUE - PENDING NTP FROM GL 6 SUBSTANTIAL COMPLETION WALK THROUGH - PENDING REC 7 CAD COMPLIANCE - SURVEY DRAWINGS (PSS) (EMAIL SEN 8 LETTER TO HAZEN & SAWYER - CAD COMPLIANCE LETTER #2.2 9 EMAIL - REQUESTING PUMP REVIEW #2.25.09
NAUTILUS NEIGHBORHOOD <i>CITY OF ABBAM BEACH (RSB)</i>	\$ 107,961.00		\$ 17,429.00	01022	R.BOLT	09.06.09	1 TOPO AND SOUNDINGS AT HOSPITAL OUTFALL - REQUESTED 2 LETTER TO RSB REQUESTING REDISTRIBUTION OF INVOICE S/M 3 FEE PROPOSAL - ADDITIONAL SERVICES (PUMP STATION, ACC 4 100% SUBMITTAL - PENDING NEGOTIATION OF ADDITION 5 90% SUBMITTAL - TBD 6 100% SUBMITTAL - TBD 7
LA GORCE NEIGHBORHOOD <i>CITY OF ABBAM BEACH (RSB)</i>	\$ 120,199.00	R.BOLT	\$ 10,862.00	01026	R.BOLT	06/09/2009	1 FEE PROPOSAL ADDITIONAL SERVICES PENDING EXECUTIVE 2 LETTER TO RSB REQUESTING REDISTRIBUTION OF INVOICE S/M 3 PAST DUE INVOICES FOLLOW UP WITH JEFF EASELY 4 FEE PROPOSAL CITY REQUESTED CHANGES 5 100% SUBMITTAL COMMENTS RECEIVED - RESPONSES (C 6 90% SUBMITTAL TBD 7 100% SUBMITTAL TBD 8
POWERLINE ROAD	\$ 660,750.00		\$ 35,862.00	01032	C.MAZORRA	06/30/2009	1





## CITY OF POMPANO BEACH

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*INNOVATIVE CONCEPTS*

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

Value engineering is an exercise that involves most of the project team as the project develops. It is about taking a wider view and looking at the selection of materials, plant, equipment and processes to see if a more cost-effective solution exists that will achieve the same project objectives. The key to this is remembering the relationship between cost and value – value is function divided by cost. Concentration on the function of the project or product will avoid mere cost cutting.

The project manager must take a pro-active role in both giving direction and leadership in the value engineering process, but must also ensure that time and effort is not wasted and does not have a detrimental effect on the progress of the project.

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

Under the City of Miami Beach Comprehensive Green Building and Energy Conservation Program, the City partnered with Ameresco to identify capital improvements to save energy costs in City facilities. Ameresco is the largest independent Energy Services Provider in North America. The Convention Center Chiller upgrade project proposed to extend the existing chilled water loop at the Convention Center and Jackie Gleason Theater to provide chilled water for City Hall and the new Municipal Parking Garage. This energy conservation measure (ECM) converted the Convention Center cooling plant into a District Cooling Plant. This project shifted inefficient chilled water operations at City Hall and the new Municipal Parking Garage to the modernized plant currently serving the Convention Center. In order to maximize the efficiency of the new District Cooling Plant, the project included the installation of a Chiller Plant Optimization Package to the plant along with a Geothermal Condenser Water System. These combined efficiency improvements to the Convention Center Chiller Plant greatly improved cooling efficiency to the buildings served utilizing chilled water. The total program will save the City an estimated \$1.8 million each year in energy costs. **RJ Behar** designed the Miami Beach Convention Center underground piping, the





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supply and discharge wells and the Police Station wells. **RJ Behar** prepared all site plans and permit packages for the supply and injection wells. The design followed the recommendations of a hydrogeologic report that included the construction of a test well on site to determine underground soil and hydrogeologic parameters. **RJ Behar** was also responsible for all the utility coordination and pipe routing. The project was completed as a design-build project working for Kerney & Associates a contractor under Ameresco.

As population continues to grow, so does our understanding of sustainable development. It should be our goal to improve our quality of life while reducing environmental impacts by providing a more planned and sustainable development strategy. Transit and other alternative modes of transportation such as walking or biking, must support these strategies.



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

As the stewards of society's physical infrastructure, it is incumbent on civil engineers to lead the next shift in sustainable planning, design, and construction. For this reason, **RJ Behar** has incorporated sustainable designs and planning into our list of services. When undertaking a civil project, we try to incorporate a number of sustainable and innovative designs including the following:

1. Helping the Owner select a site or road orientation that minimizes environmental impacts,
2. Implementing a stormwater management plan that protects receiving stream channels from excessive erosion, reduces the amount of post-development TSS, and prevents the post-development peak discharge rate and quantity from exceeding the predevelopment peak discharge rate and quantity for the 1 and 2-year 24-hour design storms,
3. Incorporating pervious pavement, porous concrete, and efficient hardscapes into the design for improved groundwater recharge and infiltration,
4. Including mass transit options, bicycle facilities, and preferred parking for fuel-efficient vehicles into the site layout to reduce pollution and land development impacts from automobile use,
5. Maximizing open space while still meeting zoning requirements to provide a high ratio of open space to development footprint,
6. Providing options, such as landscaping, protective covers, or the use of paving materials with SRI Indexes great than 29, that help to reduce heat island effects and minimize impacts on microclimates and human and wildlife habitats,
7. Incorporating lighting options that minimize light trespass from the building and site and reduce development impact from lighting on nocturnal environments,
8. Designing the landscape with native or adapted plants to reduce or eliminate irrigation requirements. Where irrigation is required, our designs incorporate high-efficiency equipment and/or climate-based controllers to reduce water consumption,
9. Promoting the use of natural and renewable products into the design to minimize and reduce the use and depletion of finite raw materials and long-cycle renewable materials by replacing them with rapidly renewable materials.

There are many possibilities when incorporating sustainable designs into a project, and at **RJ Behar** we take each project and determine the most efficient and sustainable design possible, while keeping in mind our City's budget. We are sure to provide our clients with the most up-to-date and relevant information on how to bring their projects to accreditation



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#### *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 the 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 data base developed from recent project bids as well as FDOT's historic prices. **RJ Behar** is certified by the Florida Department of Transportation (FDOT) to do cost estimates for design and construction projects. 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 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 the plan throughout the project. We have always ranked 4.0 or above (1-5 ranking) on FDOT evaluations regarding budget and time.

#### *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 numerous public agencies and municipalities since its inception and is adept at organizing project documentation using the client's methods, procedures, and formats. We are familiar with most document formats used in engineering documentation and will easily adapt to requirements of the City early in the project.



#### *QUALITY CONTROL PROCESS*

**RJ Behar** will ensure the quality of its product. Mr. Juan Vazquez, PE 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:** These 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 assure the City the quality it is paying for. For this 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 the markups and determines which comments are to be implemented. 4) The originator and checker meet



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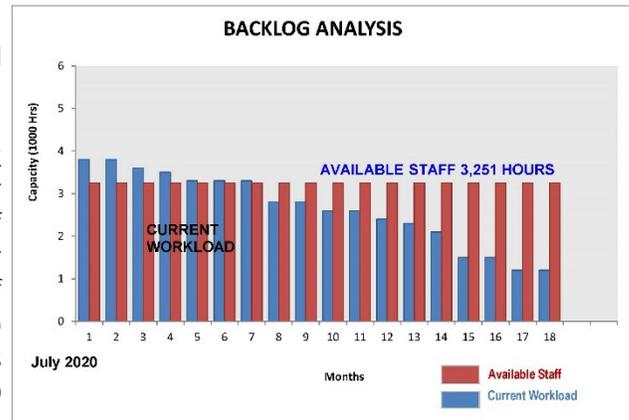
to discuss the comments and come to an agreement on the implementation of the comments. 5) If they cannot come to an agreement, the Project Manager will then make that determination. 6) Comments are implemented. 7) Plans are back-checked. All these steps require our QC Stamp, dated and initialed by the individual(s) involved.

**CONSTRUCTABILITY REVIEW:** Mr. Nestor Santa, PE will lead our constructability reviews. He has been involved in construction engineering and inspection projects for over 25 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 for claims potential.

**QUALITY ASSURANCE:** Mr. Juan Vazquez, PE, RJ Behar's vice-president, will certify that the quality control reviews were completed prior to all formal submittals.

**ABILITY TO MEET TIMELINES AND DEADLINES**

The table to the right illustrates RJ Behar's current workload and remaining fee under contract. In review of our anticipated spending of work under contract and with our current workforce, we estimate that we will begin to require new contracted work sometime this fall. The illustration shows a steady decline in our contract demands, which has been substantiated by our review of our future work under contract. The predicted fall-off in our backlog is normal for this time of year. However, RJ Behar's Staff will become more available as we approach fall, which seems to be well-timed for the anticipated needs for this contract. As demonstrated, our team has considerable resources and we do believe that we will be able to meet the challenges of any of the City's assignments. Our production capability will enable us to perform on this contract in an efficient and expeditious manner. Several of our large production contracts will be completed in the next few months, thus reducing our backlog considerably as illustrated above. We anticipate staff availability of five to seventeen hundred staff hours per month, which can be applied to other contracts. The staff identified in the organization chart will be available to work on this contract immediately. RJ Behar will be able to provide sufficient staff to ensure timely completion of any assignment under this contract.



**UNDERSTANDING THE CITY'S NEEDS**

RJ Behar has had the privilege of working with the City of Pompano Beach before and would like to continue our working relationship on this Request for Letters of Interest on the Continuing Contract for Civil Engineering Services for Various City Projects. We have provided a project approach, based on RJ Behar's management procedures and quality assurance practices, which closely match those required by the City. Based on our approach and current workload, we believe we have demonstrated our ability to successfully deliver high quality service throughout this contract.





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## Section 5

### Schedule



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## Section 5 – Schedule

Since this is a task work order contract, there is no assigned project just yet. Therefore, there is no specific schedule to be prepared at this time. The logistics to prepare the schedule will be as follows:

*Inputs to the schedule will be activities, duration of each activity, predecessors and successors to each activity, efforts required to complete each activity, and personnel assigned to successfully complete each activity.*

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. Murzi will monitor all activities assuring 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 assure compliance with the "Project Schedule." Progress Reports could be submitted to the City's Project Manager monthly. On each assignment, the schedule is developed to satisfy the City's need and is prepared at the time of scope preparation and negotiations. The schedule should satisfy the following parameters:

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

We utilize Primavera and 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. Based on our experience in these types of contracts, the risk items to the schedule are usually the permitting and the coordination with utilities. Both of those tasks need to start as early as possible and be monitored throughout the project to make sure they do not cause delays.

**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. 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 consistently obtain evaluations from the FDOT projects in the range of 4.0 out of a maximum of 5.0 points. We also consistently obtain 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	20
SFWMD	General Engineering, Construction Management	19
FDOT D4	Several Contracts	17
FDOT D6	Several Contracts	18
Central Broward Water Control District	District Drainage Engineer	13
Palm Beach County	Structural Annual Contract	11
City of Lauderdale Lakes	General Engineering Services	12
City of Lauderhill	General Engineering Services	11



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Town of Davie	General Engineering Services	15
City of Hallandale Beach	General Engineering Services	19
City of Pembroke Pines	Several Contracts	12
City of Miami	Several Contracts	15
Town of Medley	General Engineering Services	5
City of Coconut Creek	General Engineering Services	5



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## Section 6

### References



CITY OF POMPANO BEACH  
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Section 6 – References

Project Information	Project Scope
Neighborhood Street Improvements - City of Hialeah, Florida	
<p><b>Client:</b> City of Hialeah 5601 East 8th Avenue Hialeah, Florida 33013</p> <p><b>Contact Person:</b> Mr. Jose Sanchez Director, Streets Division Tel: (305) 687-2611 Fax (305) 687-2632 E-mail: josanchez@hialeahfl.gov</p> <p><b>RJ Behar's Role:</b> Roadway design improvements, roadway reconstruction, streetscape, milling and resurfacing, drainage design, utility coordination, maintenance of traffic, lighting design, decorative lighting, signing and pavement markings.</p> <p><b>Project Started:</b> 2000 <b>Project Complete:</b> Ongoing <b>Cost/Fees Paid:</b> &gt; \$3.5M <b>Construction Cost:</b> &gt; \$40M <b>Project Length:</b> Over 50 miles</p> <p>All Projects were delivered on time and within budget.</p>	<p><b>Project Scope:</b> Since the year 2000, <b>RJ Behar</b> has been designing street neighborhood improvements for the City of Hialeah. This is part of the continuous neighborhood improvement program the City has been conducting. Under this program, RJ Behar has completed more than 50 miles of City street improvements. The projects have consisted of roadway reconstruction with some milling and resurfacing, curb and gutter type f, valley gutter, sidewalks, on-street parking, exfiltration drainage system, storm sewers, sodding, signing and pavement markings and roadway lighting. Some of these projects have included streetscaping with urban design features, decorative as well as regular lighting, utility coordination, maintenance of traffic plans and construction inspection services. Below is a list of a few of those projects:</p> <ul style="list-style-type: none"> <li>• E. 4<sup>th</sup> Avenue Improvements, LAP/ARRA Project</li> <li>• W. 29<sup>th</sup> Street Improvements, from West Okeechobee Road to West 4<sup>th</sup> Avenue LAP/ARRA Project</li> <li>• E. 6<sup>th</sup> Avenue to E. 8<sup>th</sup> Avenue, from Hialeah Drive to E. 5<sup>th</sup> Avenue</li> <li>• E. 1<sup>st</sup> Avenue, E. 47<sup>th</sup> Street, E. 48<sup>th</sup> Street Reconstruction</li> <li>• Palm Avenue (W. 45<sup>th</sup> Street to W. 47<sup>th</sup> Street)</li> <li>• Palm Avenue (W. 47<sup>th</sup> Street to W. 49<sup>th</sup> Street)</li> <li>• Palm Avenue from Okeechobee Road to E. 21<sup>st</sup> Street</li> <li>• E. 1<sup>st</sup> Street to E. 2<sup>nd</sup> Avenue between E. 10<sup>th</sup> &amp; E. 15<sup>th</sup> Street</li> <li>• E. 1<sup>st</sup> Street to E. 2<sup>nd</sup> Avenue between E. 16<sup>th</sup> &amp; E. 20<sup>th</sup> Street</li> <li>• East 1<sup>st</sup> Avenue, from Okeechobee Road to E. 21<sup>st</sup> Street</li> <li>• W. 6<sup>th</sup> Avenue/W. 81<sup>st</sup> Street</li> <li>• W. 7<sup>th</sup> Avenue/W. 75<sup>th</sup> Street/W. 76<sup>th</sup> Street/W. 78<sup>th</sup> Street</li> <li>• W. 74<sup>th</sup> Street, from W. 8<sup>th</sup> Avenue to W. 12<sup>th</sup> Avenue</li> <li>• W. 77<sup>th</sup> Street, from W. 8<sup>th</sup> Avenue to W. 4<sup>th</sup> Avenue</li> <li>• W. 78<sup>th</sup> Street Reconstruction</li> <li>• W. 33<sup>rd</sup> Street, from W. 4<sup>th</sup> Avenue to W. 12<sup>th</sup> Avenue</li> <li>• W. 36<sup>th</sup> Street, W. 36<sup>th</sup> Terrace, W. 37<sup>th</sup> Street</li> <li>• W. 37<sup>th</sup> Street, from W. 18<sup>th</sup> Avenue to W. 16<sup>th</sup> Avenue</li> </ul>





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Project Information	Project Scope
Oakhill Culvert Replacement SW 17 <sup>th</sup> Street – Town of Davie, Florida	
<p><b>Client:</b> Town of Davie 6591 Orange Drive Davie, Florida 33314</p> <p><b>Contact Person:</b> Osdel Larrea Public Works &amp; Capital Projects Director Tel: (954) 797-2086 – Office (954) 797-1246 - Fax E-mail: <a href="mailto:olarrea@davie-fl.gov">olarrea@davie-fl.gov</a></p> <p><b>RJ Behar's Role:</b> Design, Permitting and Post Design Services</p> <p><b>Project Started:</b> 12/2018 <b>Project Completed:</b> 5/2019 <b>Cost/Fees Paid:</b> \$29,953 <b>Construction Cost:</b> \$90,000</p> <p><i>The project has been sent out to construction and RJ Behar is performing post design services and assisting with contractor selection</i></p>	<p><b>Project Scope:</b> The project consisted of the coordination, design, permitting, and bidding assistance for the replacement of a culvert bridge in the Oakhill neighborhood. The project location at the intersection of 17<sup>th</sup> St and SW 142<sup>nd</sup> Ave in Section 30, Township 41 South Range 43 East, Davie, Broward County, Florida. The project will replace an existing culvert at the Oak Hill neighborhood on a Central Broward Water Control District (CBWCD) canal. The Oak Hill culvert is an existing 66-inch corrugated metal pipe culvert approximately 36 ft long with sand cement end walls under SW 17th Street. The CBWCD performed an inspection of the culvert and determined that the pipe has completely deteriorated and had collapsed. CBWCD determined that the pipe needs to be replaced with a 60-inch reinforced concrete pipe. Permits included Broward County Environmental Resource License, Central Broward Water Control District, and US Army Corps of Engineers Nationwide Permit (NWP) Number 7. <b>RJ Behar</b> was responsible for complete plans preparation, specifications, preparation of permit sketches, permitting packages and follow up.</p> <p><b>Methodology &amp; Approach:</b> The approach included data collection, review of existing conditions, coordinating topographic survey and geotechnical exploration, and preparation of the plans including Temporary Traffic Control, erosion control and specifications.</p> <p><b>Quality Assurance/Quality Control:</b> Quality control was completed by in-house personnel using RJ Behar's quality control review procedures.</p> <p><b>Management Process:</b> The schedule, budgets, and deliverables were monitored using spreadsheets and scheduling software.</p> <p><b>Results:</b> The plans were completed with minor comments from the owner and all the permits were obtained including the USACE ahead of schedule.</p>





CITY OF POMPANO BEACH  
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Project Information

Project Scope

Tressler Street Drainage Improvements, City of North Miami, Florida

**Client:** City of North Miami  
Public Works Department  
1815 NE 150 Street  
North Miami, Florida 33181

**Contact Person:** Mr. D. Akin Ozaydin, MBA, P.E.  
City Engineer  
Tel: 305-893-6511; Fax: (305)787-1008  
E-mail: dozaydin@northmiamifl.gov

**RJ Behar's Role:** Design analysis, drainage report, plans preparation, estimates, utility coordination, permitting, and bid assistance.

**Project Started:** 12/15/2016  
**Project Completed:** 05/31/2019  
**Cost/Fees Paid:** \$90,949  
**Construction Cost:** \$1,100,000  
**Project Length:** 0.23 miles ±



**Project Scope:** The City of North Miami completed a comprehensive Stormwater Master Plan (SWMP) update in order to identify and prioritize flooding within the City and eliminate or reduce the problems. Drainage improvements for Tressler Street, part of the Arch Creek North/Arch Creek South Drainage Area, were identified as one of the top priorities.

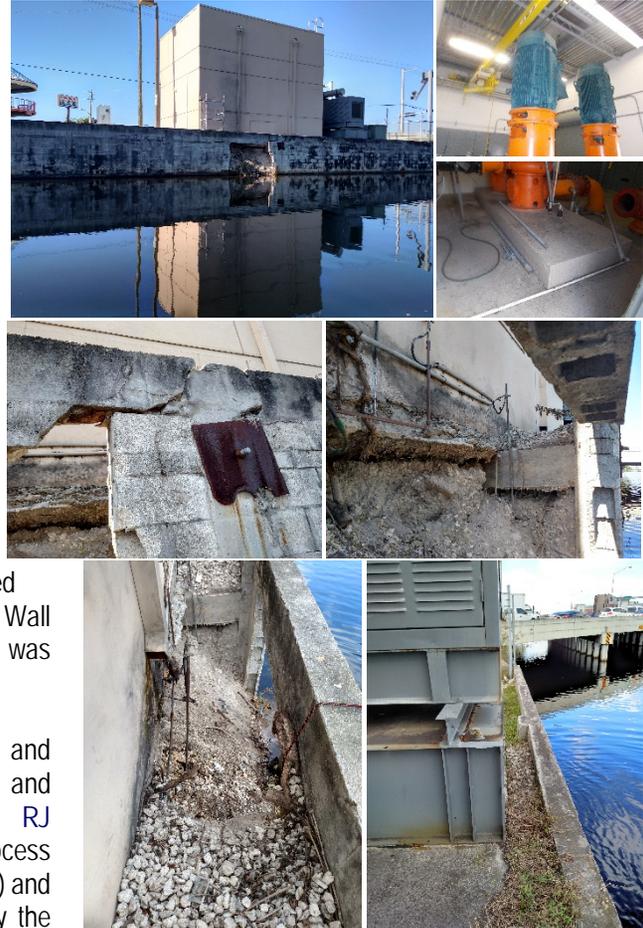
The City of North Miami contracted **R.J. Behar & Company, Inc. (RJ Behar)** to provide design services to upgrade the existing infrastructure along Tressler Street, within the Arch Creek North/Arch Creek South Drainage Area, based on the recommendations provided in the City's Stormwater Master Plan.

The subject improvements included upgrading the existing drainage infrastructure by installing exfiltration trenches, solid piping, installation of new catch basin structures with baffles, regrading of swale areas, replacement of existing hand-built catch basins, swale retrofit, and other Best Management Practices (BMPs) along Tressler Street. The proposed improvements will eliminate flooding for 25-year critical events and reduce 100-year critical events. They will also help reduce the pollutant loading to the Arch Creek Canal, and ultimately Biscayne Bay, by reducing the volume of stormwater runoff into these water bodies and reduce the flooding and potential health risks in the target area. The project also included the use of permeable pavements to address swale parking in the area.





Project Information	Project Scope
Booster Stations Seawall Repair #1, Miami-Dade County, Town of Medley, Florida	
<p><b>Client:</b> Town of Medley Capital Projects &amp; Economic Development 7777 NW 72<sup>nd</sup> Avenue, Medley FL 33166</p> <p><b>Contact Person:</b> Mr. Jorge E. Corzo PE Town Engineer/Director Tel: (305) 887-9541 Ext.143 E-mail: jcorzo@townofmedley.com</p> <p><b>RJ Behar's Role:</b> Structural design, site visits, hydraulic calculations, estimates of probable cost and permitting.</p> <p><b>Project Started:</b> 4/6/2017 <b>Project Completed:</b> 1/31/2019 <b>Cost/Fees Paid:</b> \$41,961.37 <b>Construction Cost:</b> \$134,248.00 <b>CIP Project No.:</b> WS-0135 <b>Project Length:</b> N/A</p> <p><i>The project was completed on time and within budget. RJ Behar also performed the construction inspection.</i></p>	<p><b>Project Scope:</b> The Town of Medley owns the Tobie Wilson Park, which is located at 7921 NW South River Dr, Medley, FL 33166. The park is sited between NW South River Drive and the Miami Canal (C-6). The Town requested that <b>RJ Behar</b> design approximately 850' of new bulkhead wall to be located on the north side of the park along the south bank of the Miami Canal.</p> <p>The scope of services included field visits, documenting with notes and photographs to evaluate conditions for the improvements.</p> <p>The structural design of the bulkhead wall generally follows 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., was documented in a computation book report.</p> <p><b>RJ Behar</b> prepared preliminary structural plans and final plans of the proposed improvements and submitted to the Town for review and approval. <b>RJ Behar</b> will assist the Town with the bidding process and will respond to requests for information (RFI's) and review all bids for competency as requested by the Town.</p>





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Project Information	Project Scope
Garden of The Arts, City of Hialeah, Florida	
<p><b>Client:</b> City of Hialeah 900 East 56th Street, Building No. 1 Hialeah, Florida 33013</p> <p><b>Contact Person:</b> Mr. Vicente Rodriguez Director of Construction and Maintenance Tel: (305) 687-2620; Fax: 305-687-2642 E-mail: VRodriguez@hialeahfl.gov</p> <p><b>RJ Behar's Role:</b> Civil Engineering Design of the park, landscaping, concrete side-walk, signing and pavement marking, drainage, cost estimates, and utility coordination</p> <p><b>Project Started:</b> 4/26/2013 <b>Project Completed:</b> 10/2/2015 <b>Cost/Fees Paid:</b> \$37,903.00 <b>Change Orders:</b> 2 = \$20,000 <b>Construction Cost:</b> \$475,000.00 <b>Project Length:</b> Park</p> <p><i>The project was extended due to availability of appurtenances.</i></p>	<p><b>Project Scope:</b> RJ Behar was contracted by the City of Hialeah to perform civil site design for the Garden of the Arts Park between W. 75th Street and West 76th Street from W 19th Court to W 17th Avenue to north of W 18th Lane.</p> <p>The project included a new parking lot and grading the ball fields. The services entailed paving, grading and drainage plans. The plans required permitting by the DRER and the City of Hialeah. The project won the Cuban American Association Project of the Year Award.</p>     





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Project Information	Project Scope	
Hatton Highway Bridge Replacement over the Pahokee Water Control District's Canal No. 2, Palm Beach County		
<p><b>Client:</b> Palm Beach County                      Department of Engineering &amp; Public Works,                      Division of Roadway Production                      2300 North Jog Road                      West Palm Beach, Florida 33411</p> <p><b>Contact Person:</b>                      Mr. David L. Young, PE                      Tel: (561) 684-4150                      Email: dlyoung@pbcgov.org</p> <p><b>RJ Behar's Role:</b>                      Roadway Improvements, Bridge Design,                      Drainage Design, Permitting. Successful                      completion of the plans and specifications were                      achieved with a final score of <b>97 out of 100</b>.</p> <p><b>Project Started:</b> 8/21/2012  <b>Project Completed:</b> 11/05/2013  <b>Construction Started:</b> 03/24/2014  <b>Construction Completed:</b> 01/20/2015  <b>Cost/Fees Paid:</b> \$276,527.55  <b>Construction Cost:</b> \$4,000,000.00                      (Estimated)  <b>Project Length:</b> 0.410 miles/2,168.63 LF</p>	<p><b>Project Scope:</b> Palm Beach County's Road &amp; Bridge Division requested replacement of the existing 4-span bridge, which was approximately 60' long, Bridge PB # 934512. The bridge replacement design located the new structure with a sufficiently clear distance from the existing FPL 138 Kv. overhead transmission line along the east side of Hatton Highway. Hatton Highway was reconstructed to accommodate the selected bridge replacement. A preliminary alternative analysis was conducted to determine the appropriate roadway section, construction requirements, and limits of work.</p> <p>The bridge design was based on providing a similar 3-span arrangement over the canal, 60' clearance. The bridge cross section included two 12' lanes with 8' shoulders, concrete barriers, and no provisions for sidewalks. Wing walls and slope protection were designed to accommodate the new bridge highway alignment and typical section. The bridge design elements were developed in accordance with the County's Thoroughfare Road and Bridge Design Procedures.</p> <p><b>R.J. Behar &amp; Company, Inc. (RJ Behar)</b> was responsible for all permit coordination on the project.</p>	  



CITY OF POMPANO BEACH  
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Project Information	Project Scope
City Center Traffic Impact Study – City of Pembroke Pines	
<p><b>Client:</b> City of Pembroke Pines 601 City Center Way Pembroke Pines, Florida 33025</p> <p><b>Contact Person:</b> Mr. Karl Kennedy, PE City Engineer Phone (954) 518-9040 Fax (954) 518-8905 Email: <a href="mailto:kkennedy@ppines.com">kkennedy@ppines.com</a></p> <p><b>RJ Behar's Role:</b> RJ Behar performed field reviews, data collection, signal timing, LOS Analysis, Review of Traffic Impacts, and compiling a report.</p> <p><b>Project Started:</b> 4/2019 <b>Project Completed:</b> 3/2020 <b>Cost/Fees Paid:</b> \$57,873.75 <b>Construction Cost:</b> Not applicable - Study</p>	<p><b>Project Scope:</b> The City of Pembroke Pines wishes to determine the potential traffic impact as a result of the vehicular traffic generated by the proposed project, Charles F. Dodge City Center (City Center). This project will be constructed south of Pines Boulevard, between Hiatus Road and Palm Avenue. The project will be constructed in three phases, including two commercial areas, 365 units of apartments, 387 units of multifamily housing, a hotel and the development of the City Center. There is a 6.5-acre empty lot pending future development. According to the proposed plans, future customers/residents will be able to access the development through several roadways, including Washington Street (St.) and Hiatus Road (Rd.); Hiatus Rd. and Palm Avenue (Ave.); Pines Boulevard (Blvd.) with 103 Ave, 106 Ave. and 108 Ave.; City Center Blvd. and Palm Ave.; and SW 7 St. and Palm Ave. The objective of this traffic impact study was to determine the impact of the vehicular traffic generated from the proposed development project. The traffic analyses focused on determining the effects in a 2-year projection time period and assessed the existing and future conditions with and without the project's generated vehicular traffic. The scope of work included traffic data collection, trip generation analysis, trip distribution, trip assignment, crash history and capacity/level-of-service (LOS) analyses. The analyses included eight intersections</p> <div data-bbox="1486 440 1927 727" data-label="Image"> </div> <div data-bbox="1058 964 1927 1300" data-label="Image"> </div>



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Project Information	Project Scope
Manta Drive Construction Engineering Inspection – Town of Cutler Bay	
<p><b>Client:</b> Town of Cutler Bay 10720 Caribbean Blvd., Suite 105 Cutler Bay, FL 33189</p> <p><b>Contact Person:</b> Mr. Alfredo Quintero Public Works Director Tel: 305-234-4262 Email: aquintero@cutlerbay-fl.gov</p> <p><b>RJ Behar's Role:</b> RJ Behar performed construction engineering inspection</p> <p><b>Project Started:</b> 1/2018 <b>Project Completed:</b> 1/2019 <b>Cost/Fees Paid:</b> \$66,802.00 <b>Construction Cost:</b> \$357,007.50</p> <p>The project was completed on time and within budget.</p>	<p><b>Project Scope:</b> RJ Behar was contracted to perform construction engineering inspection services for Manta Drive. The project limits begin from Marlin Road to Old Cutler Road on Manta Drive. The scope of the work consists of storm drainage improvements (inlets, manholes, culverts, exfiltration trenches), the installation of 5 foot wide concrete sidewalks (with 4" and 6" thickness depending on location), driveway approaches, ADA crosswalks, continuous valley gutter, milling and resurfacing of the existing asphalt in the locations noted, site restoration, back of sidewalk harmonization and street tree plantings to increase canopy and promote pedestrian activity. Utilization of these services will require close coordination with the Town and Engineer.</p> <p>As part of the CEI inspection duties, RJ Behar performed daily inspections, produced weekly reports, monitored contractor pay items, held progress meetings, prepared the meeting agendas, processed payment applications, monitored shop drawings and RFIs, performed Temporary Traffic Control Plan Reviews including the coordination of lane closures, carried out the stormwater pollution prevention plan site reviews, per NPDES requirements, conducted the material sample reviews and approval (LIMS), reviewed the EEO Submittals, reviewed the Contractor &amp; Subcontractor's payrolls, uploaded project documents in FDOT Lap-It, and performed final closeout.</p> <div style="display: flex; justify-content: space-around;">   </div>



R. J. Behar & Company, Inc. (RJ Behar) has performed the following projects for the City of Pompano Beach:

➤ **Seawall Repairs at Indian Mound Park & Hillsboro Inlet Park - City of Pompano Beach, Florida**

**Description:** *RJ Behar* was contracted by the City of Pompano Beach to provide engineering design services for seawall repairs at two local parks. A study was performed to obtain information on the existing subsurface conditions to assist in the design of the construction plans for the Indian Mound Seawall #2 repairs and Hillsboro Inlet Park in Pompano Beach, Florida. *RJ Behar's* responsibilities included project management, structural engineering, utility coordination, CAD support, sidewalk repair, and permitting. Additionally, *RJ Behar* provided coordination with survey and geotechnical as needed.

➤ **SW 36<sup>th</sup> Avenue Pedestrian Bridge Path – Local Agency Program (LAP) Project – City of Pompano Beach, Florida**

**Description:** The project scope included the installation of a 5' sidewalk along the west right-of-way line of the corridor north of McNab Road to Palm Aire Drive, connecting portions of sidewalk along the east right-of-way line of the corridor, installing a pedestrian bridge over Broward County's Canal "A", and installing a pedestrian crosswalk at the intersection of SW 36<sup>th</sup> Avenue and Gateway Drive. *RJ Behar* provided roadway, MOT plans, utility coordination, LAP coordination with FDOT, coordination of structural design, permitting, specifications and estimates.

➤ ***Lyons Park Neighborhood Improvement Project – Basis of Design Report (BODR) - City of Pompano Beach, Florida***

**Description:** The Lyons Park Neighborhood is located west of South Cypress Road, north of McNab Road, east of South Flagler Avenue and south of Southwest 8<sup>th</sup> Street. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project intends to improve the drainage systems within the project area. The sanitary system is located in the back of the properties. One policy of the City of Pompano Beach's Comprehensive Plan is to identify the feasibility of implementing capital projects to relocate the sewer lines or to rehabilitate them in place. This project intends to study the relocation of the sewers to the street's right-of-way. *RJ Behar* was contracted to perform a Basis of Design Report to outline the scope for drainage as well as sanitary sewer improvements and to study alternatives for the improvements.

➤ ***Lyons Park Neighborhood Improvement Project – Final Design - City of Pompano Beach, Florida***

**Description:** *RJ Behar* was contracted to provide final design of the selected improvements analyzed during the Basis of Design Report phase, which included new stormwater system with new outfalls, and relocating the sanitary system to the streets' rights-of-way. *RJ Behar* obtained all the permits for the project including the USACE and Broward County. The addition of new outfalls was challenging and required innovative approaches to be permitted.

➤ ***Sample Road Beautification Construction Engineering Inspection (CEI) – City of Pompano Beach, Florida***

**Description:** This City/FDOT project, which was funded by a grant from the Florida Highway Beautification Council, consisted of furnishing all labor, equipment, tools, and materials for the installation of irrigation systems, replacement of sod, and removal/installation of trees and shrubs. *RJ Behar* provided construction inspection services during construction.



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➤ *Lyons Park Neighborhood - Sanitary Sewer Pipe Bursting – City of Pompano Beach, Florida*

**Description:** The City requested that sanitary sewer system for the Lyons Park Neighborhood be redesigned using the pipe bursting method to keep the sewers within their current location. The option was abandoned since there were lack of contractors willing to perform the project and the permitting agencies did not approve of the use of pipe bursting due to concerns to control grades on the new sewers. The local contractor performing this method could commit to control grades (slopes) of the new sewers.



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## Section 7

### Project Team Form

**COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RLI IN THE EBID SYSTEM.**

**PROJECT TEAM**

RLI NUMBER \_\_\_\_\_

Federal I.D.# \_\_\_\_\_

**PRIME**

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	_____	_____	_____
Other Key Member	_____	_____	_____

**SUB-CONSULTANT**

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____ _____	_____
Landscaping	_____ _____	_____
Engineering Geotechnical	_____ _____	_____
Other Key Member	_____ _____	_____
Other Key Member	_____ _____	_____
Other Key Member	_____ _____	_____
Other Key Member	_____ _____	_____

(use attachments if necessary)



CITY OF POMPANO BEACH  
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## Section 8

### Organizational Chart



**CITY OF POMPANO BEACH**

**Principal in Charge**  
Robert J. Behar, PE

**Project Manager**  
Hans Murzi, PE, CFM

**Quality Assurance/Quality Control**  
Juan H. Vazquez, PE, PH, BCEE

**Roadway, Streetscape, Sidewalks, Bike Lanes, Parking Lot**  
Pavement Evaluation & Repairs, Signing and Marking/Wayfinding Signage

Robert J. Behar, PE  
Paola Riveros, PE  
Jasmani Riveron, PE  
Xamarah Velez-Seda  
Angel Marinez  
Nanette Akyaz

**Traffic Studies/Traffic Calming**

Rafael De Arazoza, PE, PTOE  
Michelle Leon, EI  
Hector Rosario, EI  
Jaime Delgado  
Logan Fasanella

**Water/Reuse Main, Gravity Sewer Main, Force Main, Lift Station/Pump Station Rehabilitation, Permitting**  
Storm Water/Drainage Improvement, Inspections and Repairs of Water/Wastewater/Stormwater Systems, Canal and Lake Dredging

Juan H. Vazquez, PE, PH, BCEE  
Elmer Cardenas, PE  
Carmelo J. Ramos, PE  
Nestor Santana, PE  
Hector Rosario, EI  
Joyce Ledan, EI  
Xamarah Seda-Velez  
Nanette Akyaz

**Parks and Recreational Facilities, Lighting**

Robert J. Behar, PE  
Juan H. Vazquez, PE, PH  
Paola Riveros, PE  
Carmelo J. Ramos, PE  
Xamarah Velez-Seda  
Joyce Ledan, EI

**Major Bridges/Seawalls/Structures**

Jose A. Peña, PE  
Jerry Piccolo, PE  
Jossmel Cruz-García, EI

**Threshold Inspections**

Rafael Droz-Seda, PE  
Jose A. Peña, PE  
Nestor Santana, PE

**Construction Engineering/Management/Administration/LAP**

Nestor Santana, PE  
Alejandro Medina  
Michelle Leon, EI  
Logan Fasanella  
Zugeil Velez

**Construction Cost Estimating**

Nestor Santana, PE  
Jose A. Peña, PE

**Utilities**

Jasmani Riveron, PE  
Paola Riveros, PE  
Jaime Delgado

**Grants/FAA, FDOT Compliance**

Robert J. Behar, PE  
Juan H. Vazquez, PE, PH, BCEE  
Rafael De Arazoza, PE, PTOE

**Geotechnical Engineering Services (FE&T)**

Mark A. Mesiano, PE  
Paul M. Teninty  
Preston R. Nevins  
Naresh Persaud, EI

**Surveying Engineering Services (CPS)**

Scott A. Reid, PSM  
Benjamin R. Wisner

**Landscape Architecture Services (C&H)**

Robert J. Cotleur, ASLA, PLA  
Aaron M. Wilbur, PLA

**Team Consultants:**

R.J. Behar & Company, Inc. (RJB) {MBE}  
Florida Engineering & Testing, Inc. (FE&T) {MBE}

Compass Point Surveyors, PL (CPS)  
Cotleur & Hearing Landscape Architecture, LLC (C&H)



CITY OF POMPANO BEACH  
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## Section 8 – Team Responsibility Table

TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
Robert J. Behar, PE	Principal-In-Charge; Roadway, Streetscape, Sidewalks, Bike Lanes, Parking Lots; Parks & Recreational Facilities, Lighting; Grants/FAA, FDOT Compliance.	Municipal/Civil Engineering, Transportation Design, Traffic Studies, Traffic Operations, Drainage Improvement/ Stormwater Management/Stormwater Master Plans Experience, Environmental, Site Design, Parks, Structural Design, Aviation/Airport Experience, Construction Management, Cost Estimates, Public Involvement. Member of the Transportation Research Board's Geometric Design Committee. Temporary Traffic Control (TTC) Advanced Certification.
Hans Murzi, PE, CFM	Project Manager; Storm Water/Drainage Improvement, Inspections and Repairs of Water/ Wastewater/ Stormwater Systems, Canal Dredging, Bridge Hydraulics	Drainage Design, Hydrologic and Hydraulic Analysis, Modeling of Rivers and Flood Control Systems, Watershed Management, Drainage Plan Reviews, QA/QC of Water Resources Models and Drainage Reports, Drainage Design of Urban and Rural Roadways, Public Involvement Meetings. Certified Floodplain Manager.  <b>Certifications:</b> Certified Floodplain Manger, Qualified Stormwater Management Inspector
Juan H. Vazquez, PE, PH, BCEE	Quality Assurance/Quality Control; Water/Reuse Main, Gravity Sewer Main, Force Main, Lift Station/ Pump Station Rehabilitation, Permitting. Storm Water/Drainage Improvement, Inspections and Repairs of Water/ Wastewater/ Stormwater Systems, Canal Dredging; Bridge Hydraulics Parks and Recreational Facilities; Grants/FAA, FDOT Compliance.	Civil/Site Engineering, Parks, Drainage Design Permitting, Stormwater Master Plans, Water & Sewer Design, Lift Stations, Pump Stations, Environmental Evaluations & Reports, Roadway/Street Design, Transportation Studies, Hydrologic-Hydraulic (H-H) and Scour Studies, Utility Relocations, Construction Management, Cost Estimating.  <b>Certifications:</b> Professional Hydrologist, Board Certified Environmental Engineer.
Paola Riveros, PE	Roadway, Streetscape, Sidewalks, Bike Lanes, Parking Lot.	Roadway Design, Drainage Design, Site Design, Stormwater Management, Construction Cost Estimates for Street



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TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
	Pavement Evaluation & Repairs, Signing and Marking/Wayfinding Signage; Parks and Recreational Facilities, Lighting.	Construction, Buildings Construction, and Landscaping Projects. Knowledgeable in the use of AdICPR, ASAD, and HEC-RAS for Stormwater and Hydraulics, GeoPak software for Roadway Design and Electronic Delivery of FDOT Plans. MicroStation and AutoCAD for Civil and Roadway Projects. <b>Certifications/Trainings:</b> Transportation Approved Temporary Traffic Control (TTC) Advanced; Roundabouts Design Training; Designing Safer Roads for Pedestrians and Bicyclists WEBINAR; 2018 Manual on Intersection Control Evaluation (ICE) Training for Managers/Approvers.
Elmer Cardenas, PE, CEI	Water/Reuse Main, Gravity Sewer Main, Force Main, Lift Station/Pump Station Rehabilitation, Permitting  Water/Reuse Main, Gravity Sewer Main, Force Main, Lift Station/Pump Station Rehabilitation, Permitting.	Civil Engineering and Water Resource Projects; Environmental Engineering and Utility Projects Experience. Design and Construction Supervision of Water Distribution Systems and Drinking Wells. Experience with Environmental models: SWMM (stormwater management model), and HSSM (hydrocarbon spill screening model) and hydraulic models AdICPR, ASAD and HEC-RAS. Certified Environmental Inspector for numerous environmental site assessments and Reports. <b>Certifications/Trainings:</b> Certified Environmental Inspector (CEI)
Jasmani Riveron, MSCE, PE	Roadway, Streetscape, Sidewalks, Bike Lanes, Parking Lot. Pavement Evaluation & Repairs, Signing and Marking/Wayfinding Signage	Civil/Site Engineering, Roadway Design, Temporary Traffic Control Plans (TTCP), Traffic Safety, Drainage Design, Water & Sewer, Budgeting, Signing and Marking, Signals, Utility Coordination, and Permitting.
Jerry Piccolo, PE	Major Bridge Design, QC; Seawalls, Structures	Structural Engineering, Bridge Design, Mast arm Design, Overhead Sign Structures, Q/C Reviews, Culverts, Walls, Structural Evaluations, Feasibility and Reports, Structural Plan and Constructability Reviews
Jose Peña, MSCE, PE	Major Bridge Design, Seawalls, Structures; Threshold Inspections;	Structural Engineering including Buildings, Value Engineering, Construction Management, Land Development Projects.



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TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
	Construction Cost Estimating.	
Carmelo J. Ramos, PE	Lift Station/Pump Station Rehabilitation.  Lighting	<p>Electrical Engineer – Planning, Design, Construction, Alteration, Maintenance, Repairs and Life Cycle Support of Building Assets. High Voltage Power Distribution, Electrical Design for Commercial, Residential and Military Facilities.</p> <p>Electrical and Lighting Design of Sites and Building Facilities.</p> <p>Proficient in the software use of IBM Maximo, AutoCAD, Solid Work, Microsoft Office, and multiple Project Management Programs.</p> <p><b><u>Training</u></b></p> <ul style="list-style-type: none"> <li>▪ Florida Building Code</li> <li>▪ Florida 471</li> <li>▪ Project Management</li> <li>▪ Lean Six Sigma Green Belt</li> <li>▪ Lead Testing Engineer</li> <li>▪ NFPA 70E</li> <li>▪ OSHA Training.</li> </ul>
Rafael De Arazoza, PE, PTOE, CM	Traffic Studies/Traffic Calming  Grants/FAA, FDOT Compliance.	<p>Transportation Planning, Roadway Design and Traffic Engineering guidance to Traffic personnel;</p> <p>Traffic engineering and Safety Studies, transportation planning, land use planning, public involvement and coordination with local governments.</p> <p>Quality Assurance and Quality Control;</p> <p>Experience with Private and Governmental Agencies, including FDOT and Broward County.</p> <p><b><u>Certifications:</u></b> Professional Traffic Operations Engineer (PTOE); Certified Public Manager.</p>
Rafael Droz-Seda, PE	Threshold Inspections	<p>Construction Inspections, Inspection of Infrastructure and Building Projects.</p> <p>Building, Roadway and Site Construction Supervision Experience.</p> <p><b><u>Certifications:</u></b> Certified Threshold Inspector.</p>
Nestor Santana, PE	Construction Engineering & Inspections/Management/ Administration/LAP	<p>Construction Management and Administration of New Constructions and Remedial Projects of Existing Structures for Educational, Pharmaceutical, Sports and Recreation,</p>



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TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
		<p>Commercial Sectors, Roadway and Water/Wastewater Modernization Programs. Experience in Civil Work Projects related to Construction of Concrete, Steel, Pumping Stations, Spillways, Culverts, Bridges, Site Preparation to Find Technical Solutions Under Difficult Soil, Foundation, and Climatic Conditions.</p> <p><b>Certifications:</b> Final Estimates I &amp; II; QC Manager; Earthwork I &amp; II; FDOT Critical Structures Construction Issues; Radiation Safety Officer; Nuclear Gauge Hazmat Training; Advanced Temporary Traffic Control Plans.</p>
Josmel Cruz, MS, EI	Bridge Design, Seawalls, Structures	Structural Engineering, Inspections of Infrastructure, Building Projects
Michelle Leon, EI	Construction Engineering/Management/Administration/LAP Traffic Studies/Traffic Calming	<p>Civil Engineering, Construction Engineering Inspections and Documentation.</p> <p><b>Traffic:</b> Traffic Studies, Traffic Counts, Operations/Safety Studies.</p> <p><b>Certifications:</b> FDOT CTQP Certified; MOT Advanced;</p> <p>Stormwater Management Inspector</p>
Hector Rosario, EI	Water/Reuse Main, Gravity Sewer Main, Force Main, Lift Station/Pump Station Rehabilitation	Civil Engineering, Transportation Projects, Water Control Structures, Drainage Improvements, Lighting Retrofit Projects, Traffic Engineering, Construction Engineering Inspections and Administration.
Xamarah Velez-Seda	Roadway, Streetscape, Sidewalks, Bike Lanes, Parking Lot Pavement Evaluation & Repairs, Signing and Marking/Wayfinding Signage Drainage Design Plans and Calculations	<p>Civil Engineering Design Projects. Roadway, Pavement Signing and Marking Projects, Water Resources, Inspection and Evaluation of Structures.</p> <p><b>Programs:</b> Microsoft Office Suite, Microsoft Project, AutoCAD Civil3D, Sketchup, Synchro, Primavera, VBA, Minitab17 and SAP2000.</p>
Joyce Ledan, EI	Pavement Evaluation & Repairs, Signing and Marking/Wayfinding Signage. Drainage Plans and Calculations	Civil Engineering, Roadway and Drainage Plans, Stormwater, Permitting, Utility Coordination, Structures, Traffic Data Collection.



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TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
	Parks and Recreational Facilities.	<b>Programs:</b> AutoCAD Civil3D, and Synchro; MicroStation
Angel Marinez	Roadway, Streetscape, Sidewalks, Bike Lanes, Parking Lot	Civil Engineering, Roadway, Pavement Signing and Marking  <b>Programs:</b> AutoCAD Civil3D, and MicroStation OpenRoads
Nanette Akyaz	Designer/Roadway, Streetscape, Sidewalks, Bike Lanes, Parking Lot  Pavement Evaluation & Repairs, Signing and Marking/Wayfinding Signage  Drainage Plans, Storm Sewers, Permitting.	CAD Designer for Civil/Site Projects, Parks, Roadway/Street Design, Signing & Pavement Markings, Signalization, Lighting.
Jaime Delgado	Designer Utilities	Utility Coordination for all Projects; Traffic: 24 Hour Counts and Turning Movement Counts. Graphic Designer <b>Programs:</b> MicroStation and AutoCAD
Alejandro Medina	Construction Engineering/Management/ Administration/LAP	Civil Engineer, Public Works/Construction Management. Construction of Drainage and Roadway Projects. <b>Programs:</b> Visual Basic.net, Auto CAD, MicroStation, Microsoft Office. <b>Certifications:</b> FDOT CTQP Certified, IMSA Traffic Signal Technician, APNGA Portable Nuclear Gauge Safety & Hazmat Certification, Stormwater Management Inspector.
Logan Fasanella	Construction Engineering/Management/ Administration/LAP	Construction Inspections Administration, Inspections of Roadway and Drainage Projects.  <b>Traffic/Transportation:</b> Participation with Turning Movement Counts, Set up Automatic Traffic Recorders (ATRs) for Volume Counts, Speed Studies, etc.  <b>Certifications:</b> FDOT CTQP Certified, IMSA Traffic Signal Technician, MOT Certificate Advanced, ACI Concrete Transportation Construction Inspector In-Training; HAZMAT, Stormwater Management Inspector.



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TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
Zugeil Velez	Construction Engineering/Management/Administration/LAP	Resident Compliance Specialist (RCS). Assist the City/Client to ensure Compliance with State and Federal Equal Employment Opportunity (EEO) Requirements. Assist the Project Engineer with Preparing and Processing all Project Documentation. Public Information Officer for Projects. <u><b>FDOT Training/Certifications:</b></u> <ul style="list-style-type: none"> <li>▪ FDOT Resident Compliance Specialist CBT Training</li> <li>▪ FDOT Equal Opportunity Compliance Training</li> <li>▪ FDOT SCAT Certification</li> <li>▪ FDOT FHWA Emergency Relief Program Training for Local Agencies</li> <li>▪ FDOT LAP Construction Checklist, Specifications &amp; Greenbook Training.</li> </ul>
<b>Florida Engineering &amp; Testing, Inc.</b>		
Mark A. Mesiano, PE	Geotechnical Engineering	Construction Industry Experience, Program Management Construction, QA/QC, Threshold Inspections, Florida DOT Pre-stressed Concrete Inspector.
Paul M. Teninty	Geotechnical/ CMT Field & Laboratory Supervisor	Construction Materials Testing, Inspection and Constructions. Testing and Laboratory Work as Needed, Compaction Testing, Various Types of Concrete Testing, Structural Masonry Inspections, Auger Cast Piling Inspections, Vibrofloatation Inspections, Demucking Inspections. FDOT CTQP Certified.
Preston R. Nevins	Geotechnical/ Field Technician	<u><b>Nuclear Gauge Training:</b></u> Radiation Safety, Nuclear Gauge Operation, Nuclear Gauge Transportation, ACI Concrete Field Level 1, CTQP Concrete Inspector, CTQP Asphalt Paving Level 1 & 2.
Naresh Persaud, E.I.	Construction Inspections	Site Inspection, reviews of construction drawings and technical documentation for accuracy.
<b>Compass Point Surveyors, PL</b>		
Scott A. Reid, PSM	Surveying	Experience in all surveying services; Training in Global Positioning Systems (GPS), Geographic Information Systems (GIS), Remote Sensing, Photogrammetry, Business and Surveying Law, Platting and Sectional



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TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
		Land History and Retracement to Coastal and Freshwater Mean High Water studies. <u>Work experience with:</u> FDOT, FEMA, SFWMD, Elevation Certificates and Letters of Map Amendments, Boundary and Title Surveys (to include ALTA Surveys), Subsurface Utility Locations, Condominium Documents and other types of Surveys for the Coast Guard, Veterans Administration, Lake Worth Water Drainage District, Florida Department of Environmental Protection, and the general public.
Benjamin R. Wisner	Surveying	Field surveying and mapping experience at all levels. Surveying and Mapping services to State, County, Municipal and private projects, such as: US Air Force Bases, International Airports, Sports Stadiums, Power, Water and Reclaimed Water Plants, Interstate Heavy Highways, Transmission Mains, High-Rise/ Commercial Buildings and Subdivisions. Experience in the use of Global Positioning Systems (GPS) and utilizes this experience in all aspects of surveying including 3D machine control, construction lay-out/as-builts and topographic surveys for design.
<b>Cotleur &amp; Hearing Landscape Architecture, LLC</b>		
Robert J. Cotleur, ASLA, PLA	Landscape Architecture	Landscape Improvements with new trees replacement and groundcovers; Municipal Governmental Experience; <u>Transportation Streetscape Projects:</u> Assisted with Landscape Brand Guidelines for both District 4 and the Turnpike; Landscape, Irrigation and Hardscape Improvements; <b>3R Projects:</b> Landscape, Irrigation and Hardscape Design, Coordination with Maintaining Authorities and post-design services.
Aaron M. Wilbur, PLA	Landscape Architecture	Transportation Division – Lead Project Manager Expertise in Plant Materials in the South Florida Nursery industry,



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TEAM MEMBER	PRIMARY RESPONSIBILITIES	ADDITIONAL RESPONSIBILITIES/ <u>QUALIFICATIONS</u>
		Understanding the Florida's Grades and Standards for Nursery Plants  <u>Software and CAD programs:</u> AutoCAD, MicroStation, Adobe Photoshop, Adobe Illustrator, Sketch-up, Podium and GIS and in FDOT's design and CAD standards.



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 Section 8 – Availability & Workload

Firm	Staff	Degree	Responsibility	Availability	Current Workload	Status, Projected Completion	Projected Workload	Projected Completion
RJB	Hans Murzi	MS	PM / Water Resources	75%	Central Broward Water Control District Permit Reviews	Ongoing	Central Broward Water Control District Permit Reviews	Ongoing
					Miami Gardens Stormwater Master Plan Update	Final Report - 7/26/21	Turnpike Drainage Report	2/22/2021
RJB	Robert J. Behar	MS	Principal in Charge/Transportation/Parks FAA/Civil Engineering	55%	NE 151 Street Imp.	Final Plans, 1/2021	NE 151 Street Imp. Phase 2	12/31/2020
RJB	Juan H. Vazquez	BS	Quality Control/Assurance/FAA/FDOT	35%	Cypress Weir Control Structure	Ready to Advertise, 9/2020		
RJB	Jerry Piccolo	BS	Major Bridge/Seawall Design/Structures	25%	PBC Annual	Varies	PBC Annual	Varies
RJB	Nestor Santana	BS	Cost Estimating/Specs/Construction Management	85%	Safe Routes to School Miami Lakes	9/1/2020	None	
					Cypress Weir Control Structure	Ready to Advertise, 9/1/2020		
RJB	Jose A. Peña	MS	PM / Structural Design/Threshold Insp.	75%	Cypress Weir Control Structure S-40, S-41, S-44 Post Design	Ready to Advertise, 9/2020 Construction, 7/2022	MIA Bridge Rehabilitation	10/2021
RJB	Rafael De Arazoza	BS	Traffic Studies	80%	None		Eliatha Church Traffic Study	12/31/2020
RJB	Jasmani Riveron	MS	Roadway/Streetscape/Pavement	65%	Summit Blvd Bridge Over LWDD E-3 Canal	65% Plans, 12/21	Summit Boulevard Roadway	5/6/2021
RJB	Paola Riveros	BS	Transportation/Civil/Parks	65%	I-95 at 6th Interchange	60% complete, Completion 7/27/22	Port St. Lucie Blvd Reconstruction	4/24/2024
RJB	Elmer Cardenas	BS	Water Resources/Environmental	80%	Cutler Bay CEI Services	9/4/2020	NE 151 Street Imp. Phase 2	12/31/2020
RJB	Carmelo Ramos	BS	Electrical/Lighting	65%	Cypress Weir Control Structure	Ready to Advertise, 9/2020	None	
RJB	Rafael Droz Seda	BS	Threshold Inspections	80%	None	As needed	None	
RJB	Jossmel Cruz	MS	Structural Design	75%	S-40, S-41, S-44 Post Design	Construction, 7/2022	MIA Bridge Rehabilitation	10/2021
					Cypress Weir Control Structure	Ready to Advertise, 9/2020		
RJB	Hector Rosario	BS	Water Resources/Cost Estimates/Plans Preparation	75%	Cypress Weir Control Structure Miami Gardens Stormwater Master Plan Update	Ready to Advertise, 9/2020 Existing Conditions, 7/2021	MIA Bridge Rehabilitation	10/2021
RJB	Michelle Leon	BS	Traffic & Data Collection / Construction Management	45%	S-151 Structure Replacement	Construction, 12/2020	None	
RJB	Nanette Akyaz	BS	Plans Preparation	45%	NE 151 Street Imp.	Final Plans, 1/2021	NE 151 Street Imp. Phase 2	12/2020
RJB	Joyce Ledan	BS	Plans Preparation	65%	NE 151 Street Imp.	Final Plans, 1/2021	NE 151 Street Imp. Phase 2	12/2020
RJB	Zugeil Velez	BS	Construction Management / Document Control	90%	Colbert Elementary School SRTS	Construction, 8/2020	None	
RJB	Alejandro Medina	BS	Construction Management / Inspections	80%	Miami Dade Traffic Ops Push Button	Construction, 10/2020	None	
RJB	Jaime Delgado		Utility Coordination/Data Collection	75%	I-95 at 6th Interchange	60% complete, Completion 7/27/22	Port St. Lucie Blvd Reconstruction	4/24/2024
RJB	Angel Marinez	BS	Plans Preparation/Design	65%	I-95 at 6th Interchange	60% complete, Completion 7/27/22	Port St. Lucie Blvd Reconstruction	4/24/2024
RJB	Xamarah Seda Velez	MS	Plans Preparation/Design	65%	I-95 at 6th Interchange	60% complete, Completion 7/27/22	Port St. Lucie Blvd Reconstruction	4/24/2024
RJB	Logan Fasanella	AA	Construction Management / Inspections/Data Collection	90%	SRTS Miami Lakes Elementary School	Construction, 8/2020	None	



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Firm	Staff	Degree	Responsibility	Availability
FE&T	Mark A. Mesiano	BS	Geotechnical Engineering	25%
FE&T	Paul M. Teninty		Geotechnical Engineering	45%
FE&T	Preston R. Nevins	HS	Geotechnical Engineering	25%
FE&T	Naresh Persaud	BS	Geotechnical Engineering	30%

Firm	Staff	Degree	Responsibility	Availability
CPS	Scott A Reid	BS	Surveying	35%
CPS	Benjamin R. Weiser	BS	Surveying	35%

Firm	Staff	Degree	Responsibility	Availability
C&H	Robert Cotleur, ASA	BS	Landscape Architecture	25%
C&H	Aaron Wilbur, PLA	BS	Landscape Architecture	30%



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## Section 9

### Statement of Skills and Experience of Project Team



## CITY OF POMPANO BEACH RLI # E-20-20

### Section 9 – Statement of Skills & Experience

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 20 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** is a minority owned firm, currently certified as a minority business, small business and/or disadvantaged business with the State of Florida, Florida Department of Transportation, County Governments, and the South Florida Water Management District.

#### Our main areas of specialization emanate from the following services:

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

#### CIVIL ENGINEERING

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

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 Florida Department of Transportation, 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:

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



*BC FAU Parking Garage*



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Project examples include:

- City of Hialeah Auxiliary Parking Lot
- JFK Library Parking Lot, City of Hialeah
- City of Lauderdale Lakes Bus Shelters
- EPD Laboratory Green Building, Broward County
- Broward College Central Campus



*EDP Lab Green Building*

**RJ Behar** has extensive experience in the planning and design of parks and recreational facilities. Our experience spans from the design of additional parking at existing facilities, as in the Sunrise Athletic Complex, to master planning a major facility like Holliday Park. We have experience working on historic sites such as the improvements to the Old Davie School House, which included the creation of one acre of Florida wetland, have worked on marinas, fishing piers and boat ramps. We have also designed Fitness Trails and Multi-Use Trails in Davie and Southwest Ranches. For the City of Lauderdale, we designed lighting improvements for several parks. Many of the projects included the paving and grading, upgrade of water, sewer and drainage facilities as well as procuring all the necessary permits. We have also prepared design-build criteria packages for comprehensive park improvements, preparing and selecting specifications for benches, courts, pavilions, bleachers, garbage receptors, and miscellaneous appurtenances. We have designed multiple pedestrian bridges including Mc Donald Park for the City of Hialeah and designed and inspected the pedestrian/bicycle trail for the City of Doral. The following is a list of projects related to parks and recreation facilities completed by RJ Behar

- Bucky Dent Park – City of Hialeah
- Spanish River Athletic Facility (AKA Countess De Hoernle) – City of Boca Raton
- Gilbert Samson Park – City of Sunny Isles
- Peaceful Ridge Dog Park – Town of Davie
- Forzano Park – City of Miramar
- West Wind Park – City of Lauderdale
- Miami River Greenways – City of Miami



**Spanish River**

*City Meetings/Public Presentations*

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



*I-95 at 6<sup>th</sup> Ave. PD&E*

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

*PUBLIC SECTOR ENGINEERING/GRANT AND FUNDING ASSISTANCE*

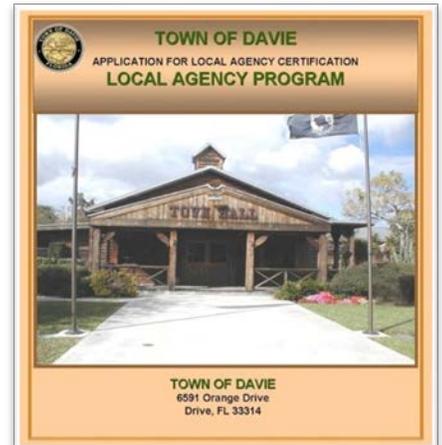
**RJ Behar** has extensive knowledge with public sector engineering. We have assisted



## CITY OF POMPANO BEACH

### RLI # E-20-20

with 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 Florida Department of Transportation Local Agency Program (LAP) certifications. As an example, RJ Behar assisted the Town of Davie in obtaining FDOT certification for Local Agency Program (LAP) funding for town capital projects. RJ Behar prepared all the FDOT required documents for certification and coordinated with FDOT's LAP administrator as well as assisted the Town Council and Town Administrator during the certification process.



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 Florida Department of Transportation (FDOT) and Broward County. The Town was awarded approximately \$500,000 for this project.

## ENVIRONMENTAL & 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 U.S. Army Corps of Engineers, the FDOT, 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:

- *Phase I and II Site Assessments and Remediation Plans*
- *Wetland Mitigation Plans Design*
- *Stormwater Master Planning*
- *Hydrologic-hydraulic and Watershed Modeling*
- *Sustainable Design LEED AP Certifications*
- *Bridge Hydraulics and Scour Analyses*
- *Stormwater Sewer Design*
- *Open Channel Hydraulics/Canal Conveyance/Energy Dissipation*
- *Flood Control and Drainage Studies*
- *Injection Well Design*
- *Highway Drainage*
- *Sanitary Sewer Collection*
- *Best Management Practice Plans*
- *NPDES Permitting for Construction Activities*
- *Stormwater Pump Stations*
- *Gates/Culverts/Spillways Design*
- *Environmental Permitting*
- *Water Quality Modeling*
- *FEMA Assistance*
- *Environmental Permitting*
- *Preparation of environmental documents for NEPA compliance*
- *Dewatering Plans*





## CITY OF POMPANO BEACH

### RLI # E-20-20

RJ Behar has considerable expertise in the area of 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.

RJ Behar assisted the City of Hialeah with the preparation of the stormwater assessment program, as required by the Municipal Separate Storm Sewer System (MS4) Permit. We prepared the water quality monitoring plan, pollutant loadings/evaluation, prepared two Public Education and Outreach Presentations for Illicit Discharges and Use of Pesticides, and prepared a Bacteria Pollution Control Plan.

Currently, RJ Behar is assisting the City of Miami Gardens with an update to the City-wide Stormwater Management Master Plan.

Project experience in water resources includes:

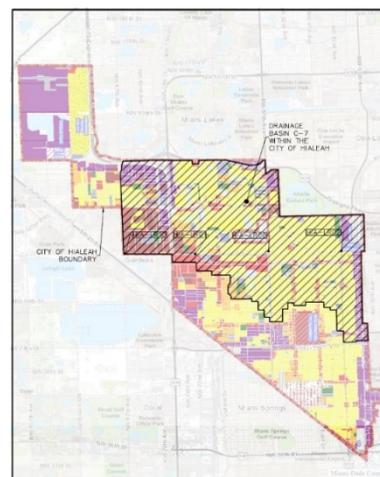
- Lake Okeechobee Water Retention/Phosphorus Removal
- Critical Restoration Project, SFWMD
- Assessment of Water Management Practices Within the
- Four Priority Basins of the Lake Okeechobee Watershed
- Stormwater Consultant for the City of Hallandale Beach
- City of Hialeah Mulching Pit Solid Waste Permit and Groundwater Monitoring Plan
- Stormwater Pollution Prevention Plan for I 95 Pump Station project
- Estero Bay Assessment Study
- City of Miramar Citywide Canal Assessment
- Maintenance Dredging Evaluation C-16 Canal
- Lake Chaves and I-95 flood study
- Hillcrest Golf Course Drainage Study
- Don Shula Expressway Stormwater Master Plan
- NW 5th Street Bridge Hydraulic Report
- C 4 Canal Flood Protection
- Hickory Hammock Equestrian Campground Site Design

### WATER & SEWER DESIGN

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



FEMA Mitigation Pump Station



MS4 NPDES Stormwater Assessment, City of Hialeah



## CITY OF POMPANO BEACH

### RLI # E-20-20

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:

- *SE 3<sup>rd</sup> 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.***
- *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.*
- *The Broadview Estates Neighborhood Improvement Project (BENIP) project. **RJ Behar** provided support in the preparation of sanitary sewer plans for bid package No 2.*
- *Crown Linen sewer connection in the City of Hialeah.*
- *The Public Safety Building for City of Coral Springs.*
- *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 South Florida Water Management District (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 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.



### FAMILIARITY WITH PERMITTING AGENCIES

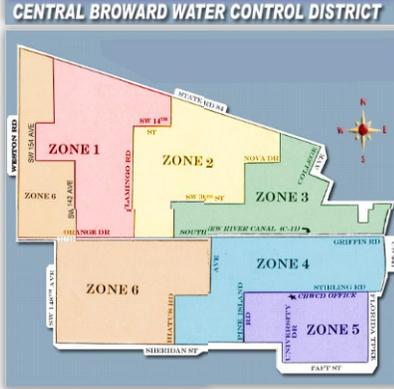
Our experience with permitting includes all types of projects. In our A1A project for the FDOT, as an example, we had to permit the project with the FDEP and the USACE. The project was inside the coastal construction control line (CCCL) and included wetland (mangrove) impacts. We designed a mitigation 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,



CITY OF POMPANO BEACH  
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procedures, and design criteria. RJ Behar also provides other services including drainage criteria, manual updates, special studies, data collection and monitoring, computer modeling, geographic information systems, master planning, design, permitting, cost estimating, construction inspection services, facilities financing, facilities operations and other services as directed by the District. Permit reviews are conducted and verified against District criteria. RJ Behar also participates in the District Board Meetings as representative to the District.

We permitted the 5<sup>th</sup> Street Bridge 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.

For SE 3<sup>rd</sup> Street Reconstruction in the City of Belle Glade, RJ Behar obtained permits from the SFWMD and the South Florida Conservancy District (SFCD). Services included drainage design, utility relocation plans, and water and sewer plans to be constructed as part of the roadway improvements

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



Northlake Blvd Over Loxahatchee Slough



TRANSPORTATION & 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 in order 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 in order 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:

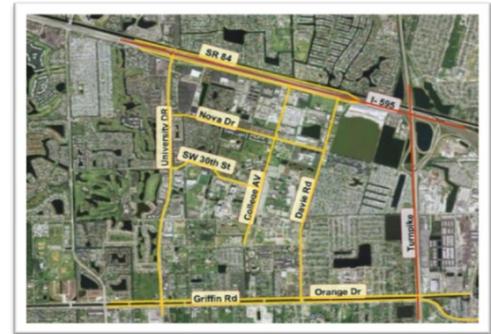
- Urban Roadway Design
- Rural Roadway Design





CITY OF POMPANO BEACH  
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- *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*



Land Use Amendment Plan/Traffic Study

Some samples of transportation planning services include:

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



NW 8<sup>th</sup> Street at Hallandale Beach Boulevard

Major traffic analysis projects included:

- *NW 87<sup>th</sup> Avenue - Traffic Study*
- *Coral Springs Neighborhood Transit Center*
- *Grand Palms - Traffic Study*
- *Palm Avenue at 17<sup>th</sup> Street Roundabout Intersection Analysis*
- *Powerline Road Access Management*
- *1<sup>st</sup> Avenue Traffic Analysis, Hialeah*
- *Town Traffic Study-Town of Southwest Ranches*

**ROADWAY 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 roadway design 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.*

Our staff has extensive roadway design experience including design of major arterial roadways such as:

- *SR-845/Powerline Road, FDOT D4*
- *Atlantic Boulevard/Rock Island Road, Margate*
- *US-1/SR-5, FDOT D4*
- *SR-A1A, FDOT D4*
- *Andrews Avenue, Pompano Beach – FDOT D4*
- *NW 44<sup>th</sup> Street, Lauderdale Lakes*
- *SR-907/Alton Road, FDOT D6*
- *S.W. 27<sup>th</sup> Avenue, FDOT D6*
- *SR-94/Kendall Drive, FDOT D6*





## CITY OF POMPANO BEACH

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- *SR-25/Okeechobee Road, FDOT D6*
- *Turnpike Widening in Broward County*
- *I-595 Improvement Project, FDOT D4*

We also have extensive roadway design experience on local city streets such as NW 44<sup>th</sup> Street in Lauderdale Lakes, E. Palomino Drive and S.W. 62<sup>nd</sup> Court in the Town of Southwest Ranches, Bayshore Drive in Miami, N.W. 13<sup>th</sup> Street and N.E. 15<sup>th</sup> Avenue in Fort Lauderdale, and 19 miles of street resurfacing in the City of Tamarac.

### TRAFFIC PLANNING

**RJ Behar** has developed expertise in the Transportation Planning and Traffic Engineering field. **RJ Behar** has become very familiar with the Manual of Uniform Traffic Control Devices (MUTCD), The Florida Greenbook (voting member), Florida Department of Transportation 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 in-house staff and do not require the involvement of a third party subconsultant. This allows us flexibility and the ability to respond to our client's request for these services efficiently and on short notice. We have state of the art computer equipment and all the latest engineering software to produce any necessary traffic plan including Synchro, CORSIM and TSIS, McTRANS HCS+T, TRAXPro, Cube 5, PETRAPro, and TCU.

**RJ Behar** has experience in the design of modern roundabouts. We have provided contract documents for several roundabouts. Roundabouts were designed at NW 146<sup>th</sup> Street/N. Miami Avenue/S. River Drive – Roundabout, Miami-Dade County; Palm Avenue/E. 17<sup>th</sup> Street in Hialeah and at N.E. 15<sup>th</sup> Avenue/N.E.18<sup>th</sup> Street in Fort Lauderdale.

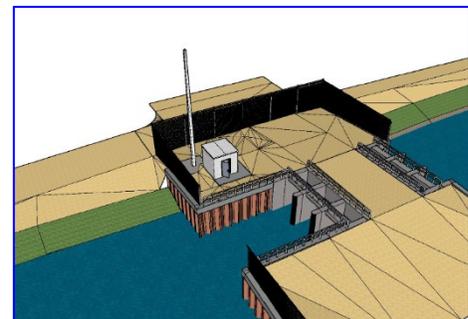


NW 146<sup>th</sup> St./N. Miami Ave./S. River Drive Roundabout – Town of Davie

### 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 Structures*
- *Recreational Structures*
- *Pump Stations*
- *Retaining Walls (Permanent and Temporary)*
- *Fender Systems*



*Cypress Weir Replacement*

In the community of **Golden Isles in Hallandale Beach**, **RJ Behar** completed structural inspection of seven existing bridges, structural design for replacement of parapets and evaluation for the addition



## CITY OF POMPANO BEACH

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of sidewalks and preparation of plans for the improvements. The project also included public involvement to determine the type of aesthetic bridge railings.

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.



McDonald Pedestrian Bridge City of Hialeah

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 have provided services to Palm Beach County under our Structures Annual Contract over the past thirteen years. Under that contract we have reviewed plans, designed bridge replacements and several miscellaneous structural assignments.

Notable projects include:

- *Rehabilitation of the S-310 Navigational Lock of Lake Okeechobee*
- *S-5A Boat Ramp, kiosks, board walk, and sheep piling system*
- *Design of concrete slabs, and miscellaneous structures for the Hickory Hammock Equestrian Campground*
- *Feasibility Study for berm at the C-4 Canal – This included evaluation of sheet pile and cast in place concrete wall systems*
- *Design of Fender System for the S 310 Navigation Lock*
- *S-193 Boat Lock Rehabilitation*
- *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*
- *S-44 & G-57 Spillways Hoist Upgrades*
- *A1A/Carlin Park Bridge Replacement – Palm Beach Co.*
- *Kirk Road Bridge over LWDD L-9 – Palm Beach Co.*
- *Miramar Town Center Bridge/Culvert*
- *Spanish River Park Structures – Boca Raton*



Hatton Highway Bridge Replacement

## CONSTRUCTION ENGINEERING INSPECTION & MANAGEMENT

RJ Behar is certified by FDOT in Construction Engineering Inspections Services and has provided services on a general construction management contract with the South Florida Water Management District. We offer a full range of construction engineering services. These services range from providing Construction Engineering & Inspection (CE&I) 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 of the required contract provisions for construction contracts



**R.J. Behar**



CITY OF POMPANO BEACH  
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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 General Contractors and licensed Threshold Inspectors.

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.*



Lauderdale Lakes Regional Library

RJ Behar has provided construction inspection services under continuous basis contracts to the Cities of Lauderdale Lakes, Fort Lauderdale, Coral Springs, Hialeah, Palm Beach County and the South Florida Water Management District. Projects included:

- *Wiles Road, Broward County*
- *Safe Routes to School LAP Projects, Town of Cutler Bay*
- *Nova Drive, Town of Davie*
- *C-4 Canal Restoration, SFWMD*
- *33-Unit Elderly Housing, City of Hialeah*
- *S20F Wing Wall Repairs, SFWMD*
- *Inspection of the S-310 Lock Structure Rehabilitation, SFWMD*
- *Citywide Resurfacing Inspection, City of Coral Springs*
- *N.W. 43<sup>rd</sup> Avenue/City Hall Parking Lot, City of Lauderdale Lakes*
- *N.E. 33<sup>rd</sup> Avenue Neighborhood Improvements, City of Fort Lauderdale*
- *Wal-Mart Super Center, City of Lauderdale Lakes*
- *N.W. 44<sup>th</sup> Street Improvements, City of Lauderdale Lakes*
- *NW 97<sup>th</sup> Avenue Construction Management, City of Hialeah*
- *Citywide Swale Restoration Project, City of Lauderdale Lakes*
- *Super Wal-Mart Inspections, City of Lauderdale Lakes*
- *SR-5 and SR811 Pedestrian Bridge Replacement, FDOT*



Area West of US-1  
Drainage Improvements &  
Construction Management

RJ Behar has provided FDOT with Oversight Construction Engineering and Inspection (OCEI) services for several local agencies throughout the Tri-County Region who received Federal-ARRA Funds. As oversight to FDOT, RJ Behar's personnel ensured that the local agency was in full compliance with construction contract documents, project administration, ARRA Federal Requirements, and FHWA 1273 regulations including Equal Employment Opportunity (EEO), Affirmative Action (AA), Davis-Bacon, Disadvantage Business Enterprises (DBE), and On-The-Job (OJT) Training. The oversight inspection team was responsible for monitoring that the work was performed in accordance with plans and specifications; oversaw the sampling and testing of component materials; attended conference meetings with the District; and maintained accurate records and documentation of all project-related activities. All documentation was loaded into the LAP-It program. We have in-house resident compliance specialists.





## CITY OF POMPANO BEACH

### RLI # E-20-20

#### FEDERAL AVIATION ADMINISTRATION EXPERIENCE

**RJ Behar** has experience working around, in and at airports. The company is certified with Miami-Dade County in Category 4.01 Aviation Systems – Engineering Design and 25 Aviation – Planning Consultant Services. **RJ Behar's** Principals have been working in aviation projects for more than 25 years. Our experience has covered Terminal Assessments, Construction Engineering and Inspection, Stormwater Master Planning, Runway Designs, Environmental Restoration, Parking Lots, Pollution Prevention Plans and others. Our team members have also had to coordinate projects with the Federal Aviation Administration (FAA) and obtain their approval. One recent example is our design of the Palm Avenue at SW 7<sup>th</sup> Street Signal Design, where RJ Behar had to obtain FAA Clearance (Determination of No Hazard to Air Navigation) for the installation of mast arms.



**RJ Behar's** project experience includes:

- *Broward County Aviation Department (BCAD) Master Plan Updates Existing Conditions Inventory at North Perry Airport*
- *Ft. Lauderdale/Hollywood International Airport (BCAD) Master Plan Updates Existing Conditions Inventory*
- *Ft. Lauderdale/Hollywood International Airport (BCAD) Pedestrian Bridge Inspection*
- *Ft. Lauderdale/Hollywood International Airport (BCAD) Stormwater Master Plan Implementation*
- *Ft. Lauderdale/Hollywood International Airport (BCAD) Soffit Replacement*

#### SUBCONSULTANTS EXPERIENCE



**ENGINEERING & TESTING, INC.**

Florida Engineering & Testing, Inc. (FE&T) is a multi-disciplinary engineering and consulting services firm offering environmental engineering, geotechnical engineering, construction materials testing, special inspections, project management, and consulting. Since their inception in 1994, FE&T has continued to grow to meet the needs of their diverse and changing client base. They currently provide consulting services to both the public and private sectors focusing on residential, commercial, educational, and aviation projects. Their engineering and testing operations focus on the tri-county area, but their service extends throughout South Florida.

Their team of qualified professionals have utilized their experience to create a reputable and reliable engineering and testing firm. FE&T's personnel work as a team by utilizing their experience, education, training, and certifications to provide their clients with quality engineering services in a cost effective manner. The Florida Engineering & Testing, Inc. "Team" consists of:

- Registered Professional Engineers (PE)
- Engineers In Training (EIT)
- Special Inspectors
- Roof Consultants
- Roof Testing Technicians
- Material Testing Project Managers
- Engineering Field Technicians
- Certified Environmental Assessors
- Certified Laboratory Management
- Laboratory Technicians

Please refer to a sampling of their projects further in this section.



## CITY OF POMPAÑO BEACH

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Compass Point Surveyors, PL (CPS) was established August 1, 2006 as a full-service surveying and mapping company utilizing state of the art hardware and software packages such as Spectra/Topcon GPS Receivers, Trimble Robotic Total Stations, Spectra Ranger Data Controllers with Survey Pro software, Carlson Survey and AutoCAD Software to efficiently produce geometrically correct representations of every field survey. CPS maintains a professional staff with extensive office and field experience in a variety of project areas. Over the years Compass Point expanded from our original office in Clearwater to working numerous projects in South Florida and the Florida Keys. Their corporate office is located in Pompano Beach, Florida. Compass Point Surveyors, LLC is a registered Certified Business Enterprise (CBE) for Broward County and a Small Business Enterprise (SBE) for the South Florida Water Management District (SFWMD).

They have worked on numerous projects for the City of Pompano Beach. Project Experience:

- City of Pompano Beach - A1A WM Ext
- Esquire Lake Neighborhood
- Liberty Park
- Area D Sanitary Sewer
- Gold Coast Beverage
- Pompano Marketplace
- TD Bank - Pompano Marketplace
- WWTP - Biogas
- TD Bank - Pompano Marketplace
- Pompano Bch - Reuse Sys NE Exp - PH1
- FPL Pompano Bore
- Hendrick Honda



Robert Cotleur and Donaldson Hearing have been practicing Landscape Architecture in South Florida for over 30 years. Both graduated with honors at the top of their class and have won scholastic and professional awards in their field. In May 1991, they started the firm of Cotleur & Hearing, Inc. focusing their expertise and energy on Landscape Architecture, Land Planning, and the rapidly growing field of Environmental Design. Today, the firm provides professional services in the disciplines of Landscape Architecture, Residential Landscape Design/Build and Land Planning. Cotleur & Hearing services a multitude of high-profile clients including, the Florida

Department of Transportation, Florida Power & Light, The South Florida Water Management District, along with counties and municipalities statewide, land developers and many other private sector clients.

Managing complex Landscape Architecture, Land Planning and Environmental projects requires the kind of skill and talent that is developed through experience. Their seasoned staff includes landscape architects, designers, graphic designers and planners. This dedicated team utilizes a multi-disciplinary approach to problem solving and has produced award-winning results.

Cotleur & Hearing focuses on creating positive results and contributing to the projects and the environment. This pride is very evident and contagious, represented by their ability, as a company, to give back to the community. Please refer to their projects at the end of this section.





## POMPAÑO BEACH MOBILITY SIDEWALKS BROWARD COUNTY, FLORIDA

### CLIENT:

Florida Department of  
Transportation, District 4  
3400 W. Commercial Boulevard  
Fort Lauderdale, FL 33309

Ms. Vandana Nagole, PE

Tel: (954) 777-4281

Email:

vandana.nagole@dot.state.fl.us

### RJ BEHAR'S ROLE:

Roadway design, Temporary Traffic  
Control Plan (TCP) design,  
pavement marking and signing,  
utility coordination, railroad  
coordination.

PROJECT STARTED: 8/29/2017

PROJECT COMPLETED: 10/2019

COST/FEES PAID: \$180,430.00

CONSTR. COST: \$ 200,000 (est)

CHANGE ORDERS: N/A

TIME EXTENSIONS: N/A

PROJECT LENGTH: 0.46 miles

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE

Principal in Charge

Jasmani Riveron, PE

Project Engineer

Hans Murzi, PE

Drainage Engineer

Kira Leon, PE

Project Engineer

The scope of the project consists providing pedestrian sidewalk connectivity along 3 local roads within the City of Pompano Beach.

The three roadways are:

**NE 6th Street from Dixie Highway to W. Flagler Ave**

**NE 4th Street from Flagler Ave to NE 1st Ave**

**SW 6th Street from Dixie Highway to S. Cypress Rd**

Sidewalk will be constructed to "fill in the gaps" and provide a continuous sidewalk within the corridors. Along NE 6<sup>th</sup> Street, sidewalk will be constructed along the inside north right-of-way line from Dixie Highway to West of Flagler Ave. On NE 4<sup>th</sup> Street, the sidewalk will be constructed along the south side of the roadway, inside the south right-of-way line between N. Flagler Avenue and NE 1<sup>st</sup> Avenue. On SW 6<sup>th</sup> Street, sidewalk will be constructed along the inside of the north right-of-way line between South Dixie Highway to S. Cypress Road. The project will also include re-grading grass swales and minor drainage modifications as required to provide improved drainage.

NE 6th Street and NE 4th Street are primarily residential areas. Pompano Beach Middle School is adjacent to both roadways, with NE 6th Street on its northern boundary and NE 4th Street on its southern boundary. SW 6th Street is primarily a commercial area, with a residential town home development on the south side, east of the railroad crossing.





**43 YEAR CDBG IMPROVEMENTS  
NW 2<sup>ND</sup> AVENUE FROM NW 4<sup>TH</sup> STREET TO NW 5<sup>TH</sup> STREET  
HALLANDALE BEACH, FLORIDA**

**CLIENT:**

*City of Hallandale Beach  
630 NW 2<sup>nd</sup> Street  
Hallandale Beach, FL. 33009*

*Ms. Joselaine Pateau  
Engineer I  
Tel: 954-457-1607  
Fax: 954- 457-1624  
jpateau@hallandalebeachfl.gov*

**RJ BEHAR’S ROLE:**

*Roadway and drainage design*

*PROJECT STARTED: Feb. 2018  
PROJECT COMPLETED: July 2018  
COST/FEEES PAID: \$28,155  
CONSTRUCTION COST: \$87,000  
CHANGE ORDERS: None*

**RJ BEHAR’S KEY PERSONNEL:**

*Juan H. Vazquez, PE, PH, BCEE  
Principal in Charge/Engineer of Record*

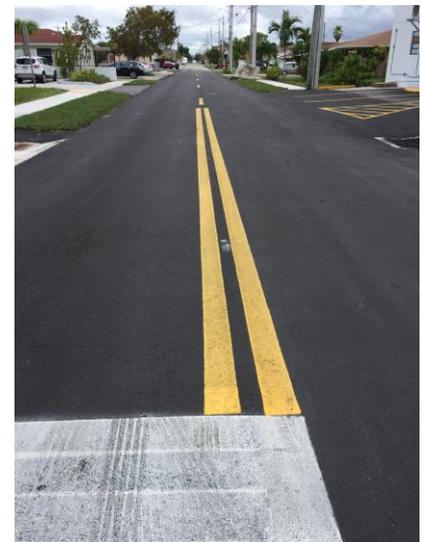
*Kira Leon, PE  
Project Engineer*

*Michelle Leon, EI  
Project Designer*

*Jossmel Cruz, MS, EI  
Designer*

*R.J. Behar & Company, Inc. (RJ Behar) was contracted by the City of Hallandale Beach, as part of a miscellaneous engineering contract, to design improvements for the 43 YR Community Development Block Grant (CDBG) area. The City of Hallandale Beach (City) has many years of participation in the Broward County CDBG Program. Through this program the City has obtained funds from the 43<sup>rd</sup> Year CDBG funding to procure contractors for construction of improvements in the Northwest CDBG Target Area in Census Tract 1004. These improvements will upgrade physical/aesthetic appearance that will complement housing development and rehabilitation as well as promote more attractive neighborhoods. The improvements will be limited to NW 2<sup>nd</sup> Avenue from NW4<sup>th</sup> Street to NW 5<sup>th</sup> Street. In general, the improvements include sidewalk replacement, minor drainage improvements, milling and resurfacing, new ADA compliant ramps and sodding.*

*RJ Behar performed the data collection, project management, drainage design, permitting, plans production of the project and services during construction.*



Hallandale Beach 43<sup>rd</sup> Year CDBG project – Location Map



NW 102 AVENUE FROM NW 138 STREET TO NW 142 STREET  
CITY OF HIALEAH, FLORIDA

**CLIENT:**  
*Streets Department*

*Mr. Jose Sanchez  
Director, Streets Division  
5601 East 8<sup>th</sup> Avenue  
Hialeah, Florida 33013  
Tel: (305) 687-2611  
Fax: (305) 687-2632  
E-mail: [JOSANCHEZ@hialeahfl.gov](mailto:JOSANCHEZ@hialeahfl.gov)*

**RJ BEHAR'S ROLE:**  
*Roadway Design, Drainage, Signing,  
Pavement Marking, Signal Plans,  
and Lighting.*

**PROJECT STARTED:** 11/28/2017  
**PROJECT COMPLETED:**  
11/30/2018  
**COST/FEES PAID:** \$108,206.00  
**CONSTRUCTION COST:**  
\$1,146,340  
**PROJECT LENGTH:** 0.269 miles

**RJ BEHAR'S KEY PERSONNEL:**  
*Robert J. Behar, PE  
Project Manager/Engineer of Record*

*Paola Riveros, PE  
Project Engineer*

*Nanette Akyaz  
Designer*

*Elmer Cardenas, PE  
Drainage Engineer*

*Juan Vazquez, PE  
Drainage QC*

*R.J. Behar & Company, Inc. (RJ Behar) was contracted by the City of Hialeah (City) to provide roadway improvements for the reconstruction of N.W. 102<sup>nd</sup> Avenue Street from N.W. 138<sup>th</sup> Street to N.W. 142<sup>nd</sup> Street within the City of Hialeah. This project falls within Miami Dade County Drainage Basin B. A Cut and Fill Permit was required to comply with Miami Dade County's Department of Regulatory and Economic criteria.*

*The scope of this project consisted of roadway reconstruction of a three-lane roadway with dual left turn lanes, curb and gutter type F, valley gutter, new sidewalks, combination of swale and exfiltration drainage systems, storm sewers, sodding, signing, pavement markings, signal plans and roadway lighting. The lighting design consisted of conventional cobra head lighting.*





## NW 87<sup>TH</sup> AVENUE FROM NW 74<sup>TH</sup> STREET TO NW 103<sup>RD</sup> STREET MIAMI-DADE COUNTY, FLORIDA

### CLIENT:

Florida Department of  
Transportation District 6

Ms. Ana Arvelo, PE  
Project Manager  
1000 NW 111<sup>th</sup> Avenue  
Miami, Florida 33172  
Tel: (305) 470-5210  
Fax: (305) 470-6725  
E-mail: [ana.arvelo@dot.state.fl.us](mailto:ana.arvelo@dot.state.fl.us)

### RJ BEHAR'S ROLE:

Roadway/Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, bridge construction, utility coordination, traffic study, traffic counts, traffic projections, and traffic warrants services. This project includes BCC Engineering, Inc. (BCC) as a sub-consultant for structural design services.

PROJECT STARTED: 04/28/2005  
PROJECT COMPLETED: 09/2019  
COST/FEES PAID: \$2,994,823.00  
CONSTRUCTION COST:  
\$33,515,000.  
PROJECT LENGTH: 2 miles  
FM#: 405615-3-52-01

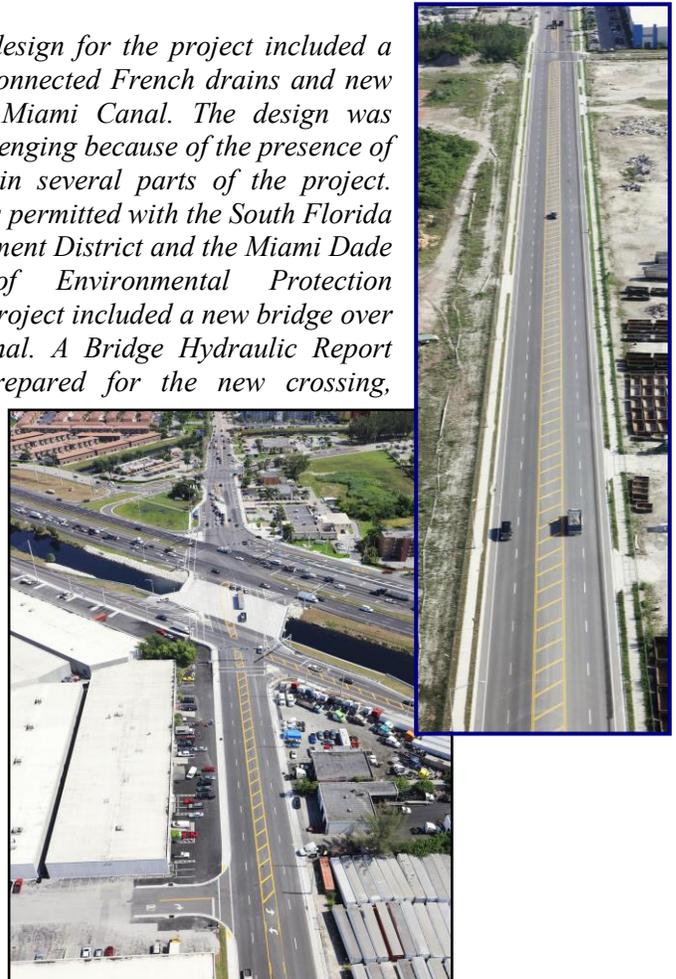
### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
**Project Manager**  
Juan Vazquez, PE, PH, BCEE  
**Drainage Engineer**  
Marlin Scattolini, PE  
**Project Designer**  
Rafael De Arazoza, PE, PTOE, CPM  
**Traffic Engineer**  
Carlos Mazorra, PE  
**Signalization Plans**  
Hans Murzi, PE, CFM  
**Project Engineer**  
Kira Leon, EI  
**Project Engineer**  
Nanette Akyaz  
**Project Designer**

The scope of the project consisted of final design for the reconstruction of a segment and new construction of NW 87<sup>th</sup> Avenue from NW 74<sup>th</sup> Street to NW 103<sup>rd</sup> Street (2 miles), within the Town of Medley, Florida. NW 87<sup>th</sup> Avenue is primarily a north-south urban arterial, Miami-Dade County owned roadway, with a design speed of 40 mph. The proposed improvements will provide a much needed north-south corridor along western Miami-Dade County. R.J. Behar & Company, Inc. (RJ Behar) was responsible for the roadway design, traffic studies, drainage design, signing and pavement markings, signalization, lighting, and overall coordination. NW 87<sup>th</sup> Avenue is an off-system roadway bound by the Florida Greenbook, for its design criteria. The NW 87 Avenue project included a Shared Use bicycle lane, also known as a "Sharrow". The Shared Use bicycle lane was accomplished by utilizing a 14-foot wide outside travel lane that will be shared by bicyclists and motorists.

The scope of this project included a traffic study to evaluate existing conditions and develop short-range and longer-term improvement alternatives to address identified deficiencies and evaluate the proposed alternatives and to determine the optimal geometrics. Traffic projections, traffic operations and signal warrants for eight intersections in an area involving three major roadways were also performed. Several improvements were identified that significantly improved operation and safety. Study was successfully completed and received approval by FDOT

The drainage design for the project included a series of interconnected French drains and new outfall to the Miami Canal. The design was especially challenging because of the presence of contamination in several parts of the project. The project was permitted with the South Florida Water Management District and the Miami Dade Department of Environmental Protection (DERM). The project included a new bridge over the Miami Canal. A Bridge Hydraulic Report (BHR) was prepared for the new crossing, addressing canal hydraulics, scour and bridge clearances.





## I-595 MOBILITY HUB PARK AND RIDE BROWARD COUNTY, FLORIDA

### CLIENT:

Florida Department of  
Transportation, District 4

Helen James, P.E.

Project Manager

Design Consultant Management  
Office

3400 West Commercial Blvd.

Fort Lauderdale, FL 33309

Tel: (954) 777-4346

Email: [Helen.james@dot.state.fl.us](mailto:Helen.james@dot.state.fl.us)

### RJ BEHAR'S ROLE:

Project management, parking lot  
design, drainage design, and signing  
and pavement markings

PROJECT STARTED: 2/27/2017

PROJECT COMPLETED: 2/28/2018

COST/FEES PAID: \$86,500.00

CONSTRUCTION COST:  
\$865,000

FM NO.: 439776-1-52-01

### RJ BEHAR'S KEY PERSONNEL

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

Paola Riveros, PE  
Project Manager

Kira Leon, EI  
Project Engineer

Nanette Akyaz  
Project Designer

The existing Mobility Hub/Park and Ride is located at the southeast corner of the intersection of SR 84 and Davie Road in the Town of Davie. The mobility hub was designed with a capacity of 108 parking spaces. The site provides platforms for the express buses (on SR 84), local shuttles and drop off/pick up vehicles. There is also a connection from SR 84 to Reese Road. The connection was meant to be used only by buses and consisted of one travel lane from SR 84 to Reese Road at the northeast corner of the property. The number of parking spaces has become inadequate and the connection from SR 84 to Reese Road is being used by all vehicles without control.

The scope of work for this project includes modifying the mobility hub to increase and maximize the number of parking slots, review the Reese Road connection to improve access control and improve circulation. These improvements required modifications to the existing drainage, lighting, signing and pavement markings and landscaping.

R.J. Behar's services include the preparation of a Community Awareness Plan, preparing Flyers, and attending a public meeting. Coordination will include the Town of Davie, Broward County Transit agency and the Department. The site design includes preparing a master plan of the proposed improvements for review and approval by the FDOT. Once the master plan is approved, the design will include geometric design, quantities, specifications, cost estimates, drainage design and drainage plans, signing and marking design and plans, lighting design and plans, utility coordination, and preparing the required permit modifications.





## W. 76 ST. FROM HIALEAH GARDENS BLVD. TO W. 36 AVE. HIALEAH, FLORIDA

### CLIENT:

City of Hialeah  
Streets Department

Mr. Jose Sanchez  
Director, Streets Division  
5601 East 8<sup>th</sup> Avenue  
Hialeah, Florida 33013  
Tel: (305) 687-2611  
Fax: (305) 687-2632  
E-mail: [JOSANCHEZ@hialeahfl.gov](mailto:JOSANCHEZ@hialeahfl.gov)

### RJ BEHAR'S ROLE:

Roadway/Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, utility coordination,

PROJECT STARTED: 3/4/2016  
PROJECT COMPLETED: 7/31/2017  
COST/FEE PAID: \$50,038.00  
CONSTRUCTION COST:  
\$ 1,110,000  
CONSTRUCTION START: 6/2016  
CONSTRUCTION COMPLETE:  
12/2016  
CHANGE ORDERS: N/A  
TIME EXTENSIONS: N/A

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
Principal in Charge/Engineer of Record

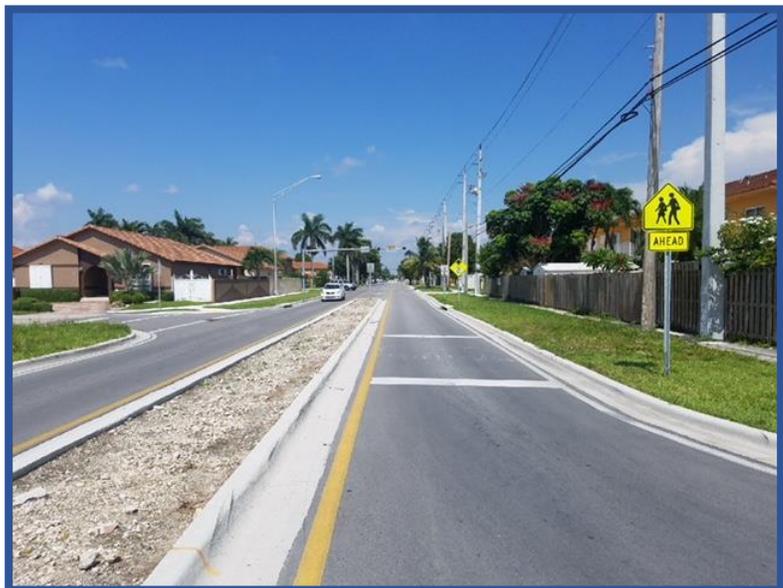
Marlin Scattolini, PE  
Project Engineer

Juan Vazquez, PE  
Drainage/Permitting Engineer

Carlos Mazorra, PE  
Signal Design

*R.J. Behar & Company, Inc. (RJ Behar) was contracted by the City of Hialeah (City) to provide roadway improvements for the reconstruction of W. 76<sup>th</sup> Street from Hialeah Gardens Boulevard Avenue to West 36<sup>th</sup> Avenue within the City of Hialeah. This is a Miami Dade County road, which was built and designed as part of a Joint Project Agreement with the Miami Dade County.*

*The scope of this project consisted of roadway reconstruction of a two-lane median divided roadway, curb and gutter type F, valley gutter, new sidewalks, on-street parking, exfiltration drainage systems, storm sewers, sodding, signing, pavement markings, signal plans and roadway lighting.*





## SOLE MIA WAY SIGNAL DESIGN OLETA PARTNERS LLC/MIAMI-DADE COUNTY, FLORIDA

### CLIENT:

*Oleta Partners, LLC*

*Mr. Darryl Lee, PE  
15055 Biscayne Boulevard  
North Miami, Florida 33181  
Tel: (786) 629-3134  
Email: dlee@turnberry.com*

### RJ BEHAR'S ROLE:

*Roadway design, Temporary Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, utility coordination, contamination assessment and wetland delineation/assessment.*

*PROJECT STARTED: 12/11/2018  
PROJECT COMPLETED: 5/21/19  
COST/FEE PAID: \$27,000.00  
CONSTR. COST: \$ 400,000  
CHANGE ORDERS: N/A  
TIME EXTENSIONS: N/A  
PROJECT LENGTH: Intersection*

### RJ BEHAR'S KEY PERSONNEL:

*Robert J. Behar, PE  
Principal in Charge*

*Carlos Mazorra, PE  
Project Engineer*

*Nanette Akyaz-Gomez  
Design Technician*

*The scope of the project consists of final design for a traffic signal at the intersection of Sole Mia Way at NE 151 Street. The project included utility coordination, Subsurface Utility Engineering (SUE), signal plans, pavement marking and signing plans, calculate quantities, review of shop drawing and obtain permit approval from the Miami Dade County Traffic Department.*





**PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK, FLORIDA**

**CLIENT:**

City of Coconut Creek  
4900 W. Copans Road  
Coconut Creek, FL 33063

Mr. Brian Rosen

Project Manager

Tel: (954) 973-6781

Fax:

E-mail: BRosen@coconutcreek.net

**RJ BEHAR'S ROLE:**

Pedestrian lighting design plans,  
Project Management

PD&E, Inc. Electrical Power Supply  
Design, Photometric Calculations

PROJECT STARTED: 3/13/2018

PROJECT COMPLETED: 2019

COST/FEES PAID: \$57,155.00

CONSTRUCTION COST:  
\$582,000.00 (Engineering Est.)

**RJ BEHAR'S KEY PERSONNEL:**

Robert J. Behar, PE

Principal in Charge

Hans Murzi, PE, CFM

Project Manager

Hector Rosario, EI

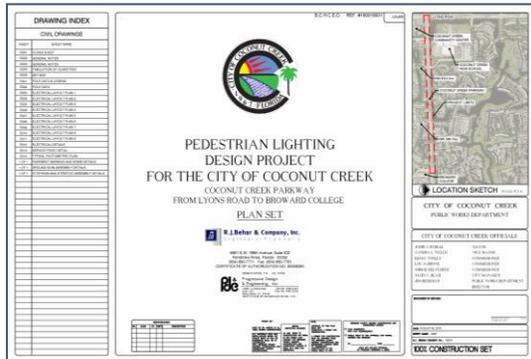
Project Designer

The scope of this contract was to design pedestrian lighting along Coconut Creek Parkway from Lyons Road to Broward College.

RJ Behar determined the most feasible and appropriate locations for pedestrian lights in the ROW of the south side of Coconut Creek Parkway. RJ Behar prepared lighting design plans and specifications based on the scope of work, which included: field visits, MOT/TCP, lighting design plans, photometric calculations, utility coordination, Broward County permitting, specifications, cost estimate, progress meetings/phase reviews, and quality control.

Coconut Creek Parkway is a County road, RJ Behar obtained all necessary permits from Broward County. RJ Behar is providing construction assistance, which consisted of:

1. Attend Pre-Construction meeting
2. Respond to Request for Information (RFI)
3. Progress Meetings
4. Shop Drawings Review
5. Site Visits
6. Project Closeout and Certification





## LIGHTING ANALYSIS OF NW 117<sup>TH</sup> AVENUE FROM NW 25<sup>TH</sup> STREET TO NW 58<sup>TH</sup> STREET CITY OF DORAL, FLORIDA

**CLIENT:**

City of Doral  
8401 NW 53<sup>rd</sup> Terrace, 2<sup>nd</sup> Floor  
Doral, Florida 33166

Mr. Jorge A. Gomez, PE  
Chief of Engineering  
Tel: (305) 593-6740 Ext. 6017  
Fax: (305) 593-6617  
E-mail: [Jorge.Gomez@cityofdoral.com](mailto:Jorge.Gomez@cityofdoral.com)

**RJ BEHAR'S ROLE:**

Roadway lighting photometric analysis report

PROJECT STARTED: 9/28/2015  
PROJECT COMPLETED: 12/2015  
COST/FEES PAID: \$8,994.00  
CONSTRUCTION COST: TBD

**RJ BEHAR'S KEY PERSONNEL:**

Robert J. Behar, PE  
Principal in Charge

Javier Rodriguez, PE  
Project Manager

*The purpose of this lighting analysis was to evaluate the existing lighting conditions and compare the results to the minimum criteria stipulated by the Florida Department of Transportation along NW 117<sup>th</sup> Avenue from NW 25<sup>th</sup> Street to NW 58<sup>th</sup> Street.*

*The NW 117<sup>th</sup> Avenue corridor from NW 25<sup>th</sup> Street to NW 58<sup>th</sup> Street has no lighting poles contributing illumination to it. Sparse lighting is directed to NW 117<sup>th</sup> Avenue via some of the conventional cobra-head light poles along the cross-streets and the high mast lighting directed onto the Homestead Extension to Florida's Turnpike (HEFT).*

*The City intends to install 41 cobra-head lights with 400 watt high pressure sodium vapor luminaries on the existing overhead electric wooden poles along the west side of the road.*

*R.J. Behar & Company, Inc. (RJ Behar) performed a roadway lighting photometric analysis to confirm if the configuration would be sufficient or if luminaries with less wattage could be used.*

*In order to be able to provide an appropriate level of illumination, a total of 55 luminaries will be needed on FPL poles. All of these luminaries are to be 200W with the parameter outlined in the Lighting Analysis section of this report. This lighting design and layout were provide an adequate Average Illumination level for this type of corridor.*





## 2016 ROADWAY RESURFACING PROJECT FOR NW 36<sup>TH</sup> STREET FROM NW 104<sup>TH</sup> AVENUE TO NW 107<sup>TH</sup> AVENUE CITY OF DORAL, FLORIDA

### CLIENT:

City of Doral  
8401 NW 53<sup>rd</sup> Terrace, 2<sup>nd</sup> Floor  
Doral, Florida 33166

Mr. Jorge A. Gomez, PE  
Public Works Director  
Tel: (305) 593-6740 Ext. 6017  
Fax: (305) 593-6617  
Email: [Jorge.Gomez@cityofdoral.com](mailto:Jorge.Gomez@cityofdoral.com)

### RJ BEHAR'S ROLE:

Milling and resurfacing plans,  
signing and pavement marking plan

PROJECT STARTED: 5/27/2016

PROJECT COMPLETED:  
12/15/2016

COST/FEE PAID: \$10,921.00

CONSTRUCTION COST: \$

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
Principal in Charge

Javier Rodriguez, PE  
Project Manager

Yulet Miguel, PE  
Project Engineer

Mariana Urdaneta  
Utility Coordinator

*R.J. Behar & Company, Inc. (RJ Behar) was contracted by the City of Doral for the development of roadway resurfacing to modify the stripping and provide on-street parking along of NW 36<sup>th</sup> Street from NW 104<sup>th</sup> Avenue to NW 107<sup>th</sup> Avenue.*

*The project scope involved roadway improvements, milling and resurfacing, and new signing and pavement markings for the crosswalk or roundabouts.*





## NW 50<sup>TH</sup> STREET BICYCLE/PEDESTRIAN TRAIL CONSTRUCTION INSPECTION SERVICES CITY OF DORAL, FLORIDA

### CLIENT:

City of Doral  
8401 NW 53<sup>rd</sup> Terrace, 2<sup>nd</sup> Floor  
Doral, Florida 33166

Mr. Jorge A. Gomez, PE  
Chief of Engineering  
Tel: (305)593-6740 Ext. 6017  
Fax: (305)593-6617  
E-mail: [Jorge.Gomez@CityofDoral.com](mailto:Jorge.Gomez@CityofDoral.com)

### RJ BEHAR'S ROLE:

Construction Engineering Inspection

PROJECT STARTED: 9/11/2014  
PROJECT COMPLETED: 9/11/2015  
COST/FEES PAID: \$39,994.00  
CONSTR. COST: \$532,440.94

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
Principal in Charge

Javier Rodriguez, PE  
Project Manager

Yulet Miguel, PE  
Project Engineer

Stacy Sookdew Sing  
Project Administrator,  
Contractor Support Specialist,  
Inspector

The scope of work consisted of inspecting the construction of 0.5 miles of a 10' divided asphalt path along the south side of NW 50<sup>th</sup> Street from NW 112<sup>th</sup> Avenue to NW 107<sup>th</sup> Avenue as part of the City of Doral's Bikeway Network Plan. This tied into a recently constructed path west of NW 112<sup>th</sup> Avenue and created a pedestrian and bicycle friendly connection from NW 107<sup>th</sup> Avenue to Trails & Tails Park.

The scope of services included inspection of the a newly formed asphalt bike path, new curb and gutters, American Disabilities Act (ADA) curb ramps, signing, and pavement markings, and the installation of modern solar pedestrian lighting. As part of the inspection duties, RJ Behar & Company, Inc. (RJ Behar) performed daily inspections, produced weekly reports, monitored contractor pay items, held progress meetings, prepared the agendas, processed payment applications, coordinated with the County on the closeout of the tree permit, coordinated with the contractor and subcontractors on behalf of the City for tree placement, monitored shop drawings and RFIs, and performed final closeout.





# RIVER RUN PARK IMPROVEMENTS CITY OF MIRAMAR, FLORIDA

**CLIENT:**

*City of Miramar  
2200 Civic Center Place  
Miramar, FL 33025*

*Mr. Luis Lopez, PE  
Director of Engineering Services  
Tel: (954) 602-3316  
Fax: (954) 602-3599  
E-mail: [lalopez@ci.miramar.fl.us](mailto:lalopez@ci.miramar.fl.us)*

**RJ BEHAR'S ROLE:**

*Master Planning/Civil/Site Design*

**PROJECT STARTED:** 2/4/2014  
**PROJECT COMPLETED:** 3/31/2017

**COST/FEES PAID:** \$118,604.64  
**CONSTRUCTION COST:**  
\$700,000.00

**RJ BEHAR'S KEY PERSONNEL**

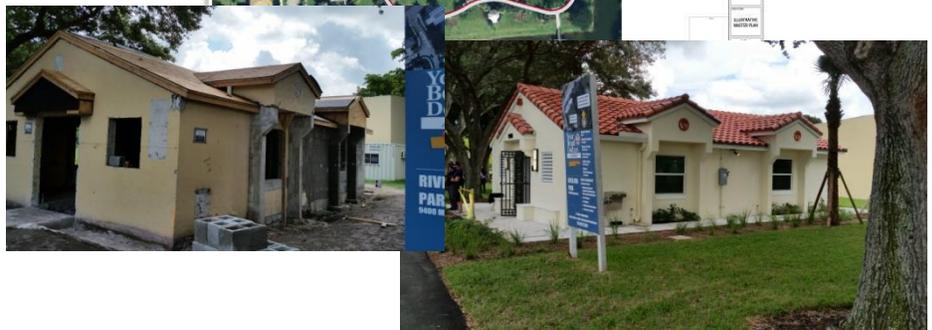
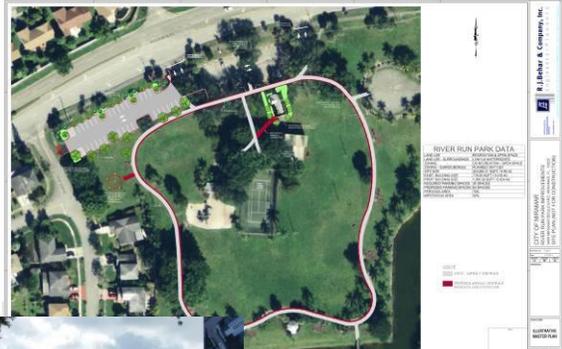
*Robert J. Behar, PE  
Principal in Charge*

*Juan H. Vazquez, PE, PH, BCEE  
Project Manager/Engineer of Record*

*Sugeily Patxot  
Designer*

*River Run Park is widely used by residents who exercise on its trails. The playground is heavily used and had been renovated. The adjacent small pavilion is rented most weekends for birthday celebrations. Parking and access was a problem due to the high usage. The existing park building was renovated and expanded to facilitate a meeting hall, the exercise trail was widened, new site lighting was added and the parking lot was expanded. R.J. Behar & Company, Inc. (RJ Behar) prepared all the civil drawings, drainage design and permitting with South Broward Drainage District. RJ Behar also prepared master plans for Forzano Park and Lakeshore parks.*

*RJ Behar was in charge of project management, master planning and civil design of the improvements. RJ Behar was also in charge of the estimates of probable cost, the development of specifications, services during construction, and coordination with the subconsultants for architecture, electrical, mechanical, and landscaping services.*





## GILBERT SAMSON OCEAN FRONT PARK CITY OF SUNNY ISLES BEACH, FLORIDA

### CLIENT:

City of Sunny Isles Beach  
Sunny Isles Beach Government  
Center  
18070 Collins Avenue, 3<sup>rd</sup> Floor  
Sunny Isles Beach, Florida 33160

Mr. Stan Morris  
Deputy City Manager  
Tel: (305) 792-1807  
Fax: (305) 792-1614  
E-mail: [smorris@sibfl.net](mailto:smorris@sibfl.net)

### RJ BEHAR'S ROLE:

*RJ Behar was responsible for the design and permitting of the proposed sewer line and grinder pump on the property, in conjunction with managing all the design aspects of the project. RJ Behar is also responsible for the site geometry, grading, and drainage design.*

PROJECT STARTED: 4/25/2014  
PROJECT COMPLETED: Ongoing  
COST/FEE PAID: \$141,478.00  
CONSTRUCTION COST: \$3 million  
PROJECT LENGTH: 2.09 acres

### RJ BEHAR'S KEY PERSONNEL

Robert J. Behar, PE  
Principal in Charge

Javier Rodriguez, PE  
Project Manager

Yulet Miguel, PE  
Project Engineer

Elmer Cardenas, PE  
Lift Station Design

Mylene Almeida, EI  
Project Engineer

Richard Bolt  
Inspector

Michelle Leon, EI  
Inspector

*R.J. Behar & Company, Inc. (RJ Behar) is leading this renovation effort for the Gilbert Samson Ocean Front Park located at 17400 Collins Avenue within the City of Sunny Isles.*

*This project involved the design and permitting of a sanitary sewer grinder pump with connection to Dade County Facilities. Additionally it included the design and permitting for a new driveway access from a Florida Department of Transportation road, Collins Avenue. The project included architectural plans for the addition of two bathroom stalls, full plumbing and electrical upgrades. The landscaping in the park was enhanced and a new stage installed on the site. The project also included all new exterior and interior lighting.*





## LIFT STATION 107 REHABILITATION SUNRISE, FLORIDA

### CLIENT:

City of Sunrise  
10770 West Oakland Park Boulevard  
Sunrise, Florida 33351  
Tel: (954) 741-2580

### Subconsultant to:

Brown and Caldwell

Mr. Matt Charles, PE

Project Manager

135 San Lorenzo Avenue, Suite 630

Coral Gables, FL 33146

Tel: (954) 200-7616

E-mail: [MCharles@Brwn Caldwell.com](mailto:MCharles@Brwn Caldwell.com)

### RJ BEHAR'S ROLE:

Civil engineering services for site design, maintenance of traffic, site piping, and erosion control plans.

PROJECT STARTED: 05/13/2014

PROJECT COMPLETED: 8/31/2015

COST/FEES PAID: \$11,697.00

CONSTR. COST: Unknown

CONTRACT: Lump Sum

### RJ BEHAR'S KEY PERSONNEL:

Juan H. Vazquez, PE, PH, BCEE

Principal-In-Charge

Elmer Cardenas, PE, CEI

Senior Engineer

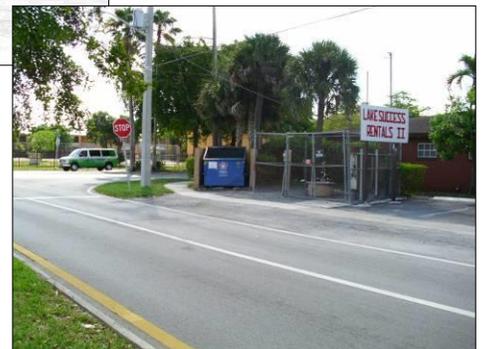
Kira Leon, EI

Project Engineer

The existing station is located at 2590 N.W. 60<sup>th</sup> Terrace, Sunrise Florida (City). The project involves rehabilitating the existing lift station, converting the existing wet pit/dry pit design to a submersible pump configuration and partially filling the existing dry well, converting it to a valve vault. The electrical and I&C panels will be replaced with new panels as part of this refurbishment.

R.J. Behar & Company, Inc. (RJ Behar) is preparing the civil design and drawings as follows:

- Field reviews of the existing site to verify existing conditions,
- Demolition Plan will indicate the demolition and replacement of existing surface features (asphalt paving, sidewalk, etc.),
- Site Plan will indicate all the above-ground improvements including driveway, pavement restoration, fences, etc.,
- Drainage and Utilities will include any required grading, drainage modifications, and erosion control during construction. Utilities will include buried piping in the vicinity of the station, existing utilities, and any modifications needed for the new valve box,
- Miscellaneous Details will be provided as required following the applicable City standards,
- Permit Submittals will provide signed and sealed plans for submittals to Broward County, City of Sunrise Engineering Division, and the City of Sunrise Building Division of the City's Community Development Department, and
- Specifications of the civil/site items (CSI) will be prepared in CSI format.





## CENTRAL BROWARD WATER CONTROL DISTRICT ENGINEER SERVICES BROWARD COUNTY, FLORIDA

### CLIENT:

Central Broward Water  
Control District

Mr. Mike Crowley  
District Manager  
8020 Stirling Road  
Hollywood, FL 33023  
Tel: (954) 432-5110  
Fax: (954) 432-8603

Email:

[districtmanager@centralbrowardwcd.org](mailto:districtmanager@centralbrowardwcd.org)

### RJ BEHAR'S ROLE:

District Engineering Services

PROJECT STARTED: 4/24/2007

PROJECT COMPLETED: Ongoing

CHANGE ORDERS: Not Applicable

COST/FEE PAID: \$425,948.07 (as  
of 12/20/2019)

CONSTR. COST: Not Applicable

PROJECT LENGTH: Not Applicable

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
Principal in Charge

Hans Murzi, PE  
District Engineer

Juan H. Vazquez, PE, PH, BCEE  
Technical Support

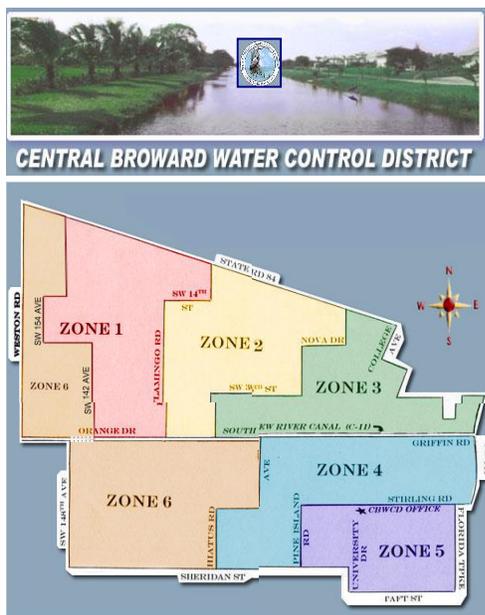
The Central Broward Water Control District is a local government agency chartered by the State of Florida to provide secondary water management and stormwater drainage in southwest Broward County. Within its 45 square mile area, this special drainage district incorporates almost 107 miles of canals that are located within 6 cities and towns, as well as unincorporated areas of Broward County.

Under this contract, R.J. Behar & Company, Inc. (RJ Behar) serves as one of two firms who serve as District Drainage Engineers (DDE). 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. RJ Behar also provides other services including drainage criteria, manual updates, special studies, data collection and monitoring, computer modeling, geographic information systems, master planning, design, permitting, cost estimating, construction inspection services, facilities financing, facilities operations and other services as directed by the District. Permit reviews are conducted and verified against District criteria. RJ Behar also participates in the District Board Meetings as representative to the District.

For this contract the deliverables mostly consist of comments to submitted permit packages. The responses are reviewed with senior engineers before submittal to the client. On complex reviews, peer review and consultation is also conducted to verify criteria and hydrologic-hydraulic analyses.

All of the schedules, budgets, and deliverables were monitored using spreadsheets and scheduling software.

Tasks are completed within the time and budgets allocated.





# POWERLINE ROAD AND NW 59<sup>TH</sup> COURT INTERSECTIONS IMPROVEMENTS BROWARD COUNTY, FLORIDA

**CLIENT:**

Florida Department of Transportation, District 4  
3400 W. Commercial Boulevard  
Fort Lauderdale, FL 33309

Raul Dominguez, PE  
FDOT Project Manager  
Tel: (954) 777-4061  
Email:  
[carlos.rodriquez@dot.state.fl.us](mailto:carlos.rodriquez@dot.state.fl.us)

FM No 44138-1-32-01  
RJ BEHAR'S ROLE:  
Roadway and Structural Engineering

PROJECT STARTED: 8/2019  
PROJECT COMPLETED: 12/2019  
COST/FEES PAID: \$189,683.00  
CONSTR. COST: \$589,516.59

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

Carlos Mazorra, PE  
Project Manager

Jose Peña, PE  
Structural Engineer of Record

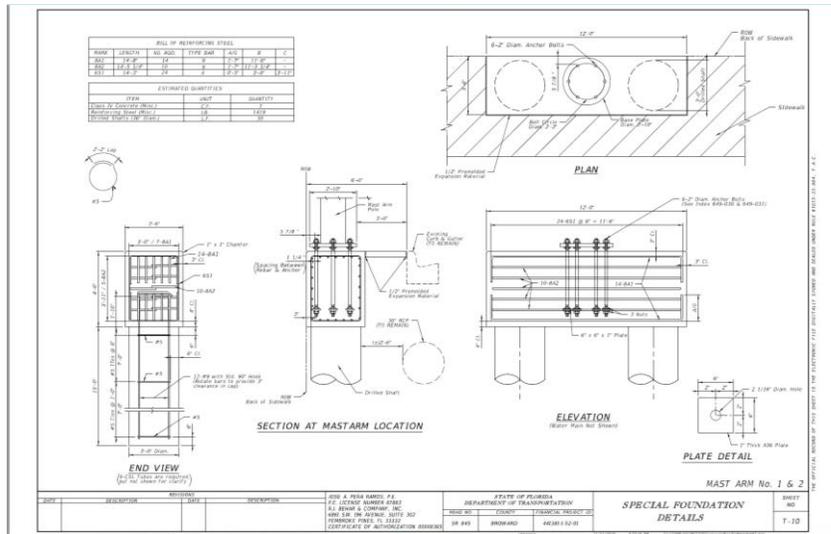
Jossmel Cruz, EI  
Project Engineer



*This project entailed constructing a new signalized intersection at Powerline Road and NW 59<sup>th</sup> Court. RJ Behar provided roadway design, lighting design, community awareness plan, quantities, drainage design, traffic control plans, signal design, structural design, specifications and estimates for the intersection improvements.*

*RJ Behar also provided structural analysis and design details for special foundations to be used for a proposed streetlight pole and mast arm.*

*RJ Behar is currently providing post design services during the construction of the project.*





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

**CLIENT:**

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

Dany Kabrit

Project Manager  
954-973-6786 Ext #1545  
954-571-4146 fax  
[DKabrit@coconutcreek.net](mailto:DKabrit@coconutcreek.net)

**RJ BEHAR'S ROLE:**

Wastewater Force Main  
Rehabilitation

PROJECT STARTED: 06/01/2017

PROJECT COMPLETED: Under  
construction

COST/FEES PAID: \$88,000

CONSTRUCTION COST:  
\$3,000,000 (Est.)

**RJ BEHAR'S KEY PERSONNEL:**

Juan Vazquez, PE  
Principal in Charge and Engineer of  
Record

Hans Murzi, PE  
Drainage Engineer

Elmer Cardenas, PE  
Cost Estimates

Kira Leon, PE  
Project Engineer

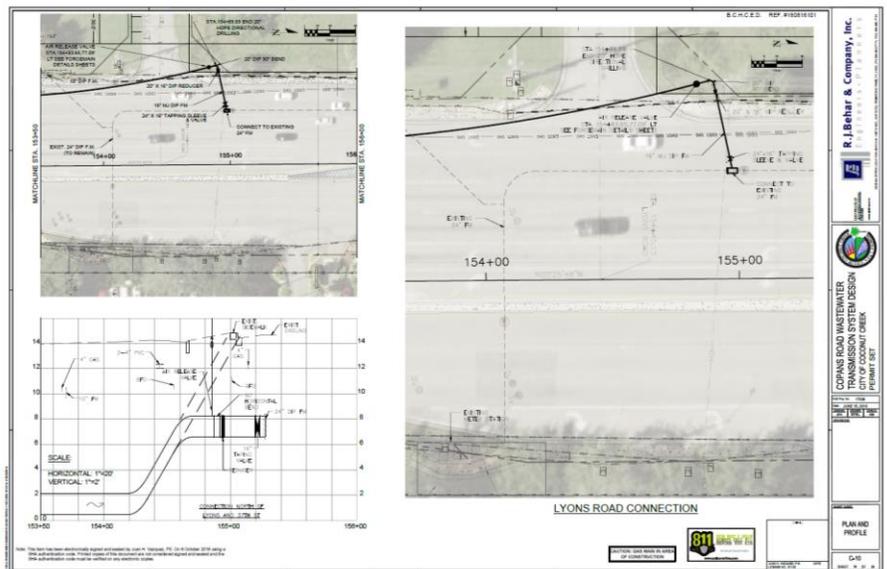
Jossmel Cruz, MS  
Plans Preparation



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 will include 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 and rehabilitation of 4,420 ft existing 24-inch force main using trenchless technology. The 20-inch was designed using directional drilling and the rehabilitation using PVC Sliplining.





## MS4 NPDES STORMWATER ASSESSMENT PROGRAM HIALEAH, FLORIDA

### CLIENT:

City of Hialeah  
Streets Department

Mr. Alfredo Rodriguez, Jr.  
900 E 56 St, Building 4  
Hialeah, FL 33013  
Tel: (305) 687-2611  
Fax: (305) 687-2615  
E-mail: ARodriguezJr@hialeahfl.gov

### RJ BEHAR'S ROLE:

NPDES MS4 Assessment Program

PROJECT START: 12/27/2017

PROJECT COMPLETE: 1/22/2018

COST/FEES PAID: \$9,772

CONSTRUCTION COST: N/A

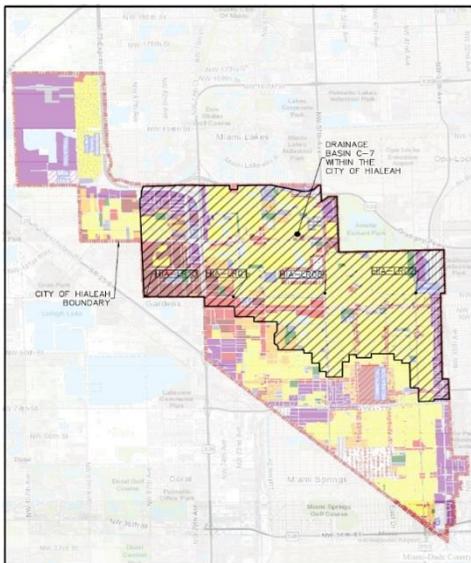
PROJECT LENGTH: N/A

### RJ BEHAR'S KEY PERSONNEL:

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

Hans Murzi, PE, CFM  
Project Engineer

Hector Rosario, EI  
Project Engineer



*MS4 NPDES Stormwater  
Assessment, City of Hialeah*

*R.J. Behar & Company, Inc. (RJ Behar) was contracted by the City of Hialeah to assist with the preparation of the stormwater assessment program, as required by the Municipal Separate Storm Sewer System Permit that was issued June 30, 2016.*

*This permit covers all areas located within the political boundary of the City of Hialeah that is served by the MS4 owned or operated by the City. The permit requires the preparation of an Assessment Program. This Assessment Program is to be submitted to the Florida Department of Environmental Protection in fulfillment of Part V.B of the MS4 Permit.*

*The purpose of this assessment program was to provide information for the City of Hialeah to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.*

*The scope of services included the following steps:*

- a. *The preparation of a water quality monitoring plan intended to identify local sources where urban stormwater is adversely affecting surface water resources. The testing was done by Miami-Dade County under an Interlocal agreement.*
- b. *The preparation of an estimate of pollutant loadings/evaluation of existing data.*
  - (1) *Preparing a description of how the data from the monitoring program and the estimate of pollutants will be used to: evaluating trends in pollutant loadings from the MS4 and in water quality; and*
  - (2) *identifying portions of the MS4 which can be targeted for loading reduction/corrective action with additional pollutant reduction measures.*
- c. *Preparing a report that included items a, b and c above.*
- d. *Submitting the report for review by the City and after approval, submitting the report to the FDEP and addressing any comments from FDEP and provide a Final Assessment Program.*

*The monitoring plan follows the recommendations provided in the Florida Department of Environmental Protection (FDEP) Guidance for Preparing Stormwater Monitoring Plans as Required for Phase I Municipal Separate Storm Sewer System (MS4) Permits.*

*As a continuation of the task RJ Behar completed:*

- a. *Update of the Assessment Program*
- b. *Prepared two Public Education and Outreach Presentations for Illicit Discharges and Use of Pesticides.*
  - a. *Prepared a Bacteria Pollution Control Plan.*





SR-700 CANAL BANK ASSESSMENT  
PALM BEACH COUNTY, FLORIDA

**CLIENT:**

Florida Department of  
Transportation, District 4

Mr. Binod Basnet, PE

Project Manager

3400 West Commercial Boulevard

Fort Lauderdale, Florida 33309

Tel: (954) 777-4146

E-mail: Binod.Basnet@dot.state.fl.us

**RJ BEHAR'S ROLE:**

Emergency Damage Assessment

PROJECT STARTED: 09/2017

PROJECT COMPLETED: 10/2017

COST/FEES PAID: \$9,432.00

CONSTR. COST: N/A

FM NO.: 4393401-1-32-01

**RJ BEHAR'S KEY PERSONNEL**

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

Richard Bolt, PE

Construction Manager

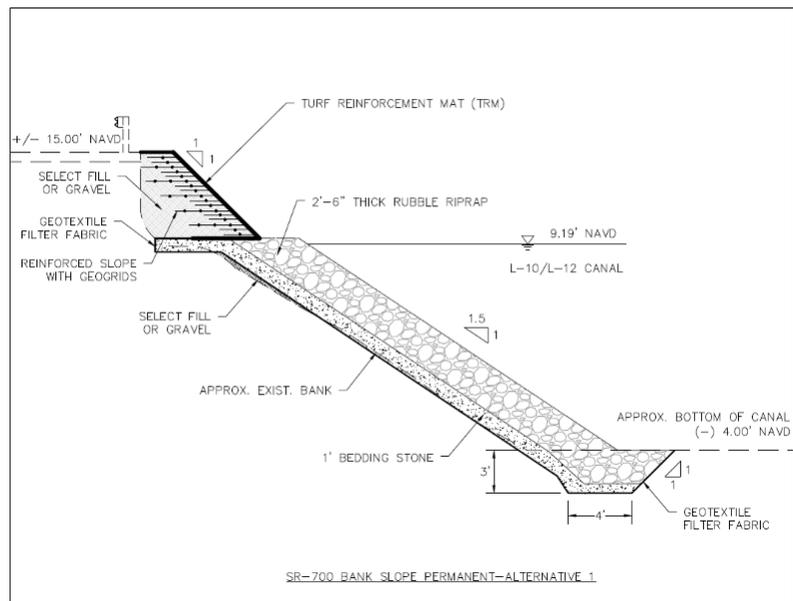
Joseph Edwards, EI

Project Engineer

The purpose of this task was to assess the condition of the L-10 canal bank along SR-700 from Canal Point to SR-80. Several sections of the canal bank were eroded during hurricane Irma. RJ Behar conducted two site visits, one on 9/25/17 and one on 10/2/17, in order to prepare an assessment report of the extent of the canal bank erosion along SR-700. RJ Behar also performed this evaluation in order to recommend areas that required immediate (emergency), intermediate and long term solutions to repair the canal bank erosion.

The southern portion of the project, in general, showed mostly sporadic washouts, asphalt cracks between the shoulder and miscellaneous asphalt, miscellaneous asphalt cracks, very soft embankment behind miscellaneous asphalt, and settlements. At the Sugar Mill Bridge at the Hatton Highway Intersection, there was a large washout of the southeast embankment. The northern portion of the project showed the most damage along the canal bank. There were also very large cracks that developed between the shoulder and miscellaneous asphalt.

Based on the findings of the inspections, the Team recommended the closure of the shoulder in some segments, riprap repairs, repairs to the pavement and provided alternatives for a permanent repair/stabilization of the bank.





## C-20 AND C-21 CANAL DREDGING CLEWISTON, FLORIDA

### CLIENT:

South Florida Water  
Management District

Ms. Rosalyn Ellington  
Project Manager  
3301 Gun Club Road  
West Palm Beach, Florida 33416  
Tel: (561)682-6918  
E-mail: [relling@sfwmd.gov](mailto:relling@sfwmd.gov)

### RJ BEHAR'S ROLE:

Construction Management Services

PROJECT STARTED: 01/03/2019

PROJECT COMPLETED: 7/2019

COST/FEES PAID: \$264,500

CONSTRUCTION COST:  
\$1,949,000

CHANGE ORDERS: None

TIME EXTENSIONS: None

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
Principal in Charge

Juan H. Vazquez, PE  
Project Manager

David Anderson, PMP,  
Sr. Inspector

*R.J. Behar & Company, Inc. (RJ Behar) was contracted by the South Florida Water Management to provide Construction Management Services (CMS) for the C20 and C-21 Dredging project. This Project consists of removal of muck sediments with disposal of the sediments on to adjacent farmland as shown in the Drawings. The total length is approximately 8,200 ft.*

**Methodology & Approach:** *The CMS as defined in this SOW shall include, but not be limited to:*

- *Provide on-site representatives to observe and document the construction and assist the DPM in determining if the work is performed according to the associated Project drawings and specifications.*
- *Consultant representatives attend and participate at project construction meetings to update the District on the status of the construction, which includes but is not limited to construction activities accomplished to date, potential and/or actual construction problems and delays, and upcoming work to be completed by the construction Contractor and the Consultant. The Consultant shall prepare meeting notes.*
- *Review for completeness and coordinate responses, as specified by the DPM, to shop drawing submittals, Requests for Information (RFIs), Requests for Clarifications (RFCs), Requests for Proposals (RFPs), Change Orders (CO), Field Orders (FO) and Value Engineering (VE) proposals and submittals, as necessary.*
- *Assist the DPM with the review and reconciliation of construction schedules, schedule updates, and Contractor payment applications.*
- *Provide quality assurance material testing, test analysis and reporting.*
- *Assist with the verification of project completion milestones and contract closeout/commissioning.*

*RJ Behar also coordinated the verification survey by WGI.*

### **Quality Assurance/Quality Control:**

*Quality control included reviews of the Contractor's operations and testing of materials throughout the construction period. Quality Control followed Specification 01410. A survey was conducted to verify the final canal elevations.*



### **Management Process:**

*The work under this contract was planned, scheduled, executed and reported by the Contractor using a cost loaded schedule. The Management team used the E-Builder software to manage the contract documents.*

### **Results:**

*The project was completed ahead of schedule.*





## C-4 CANAL BANK IMPROVEMENTS - PALMETTO PHASE 2 CONSTRUCTION MANAGEMENT INSPECTION SERVICES MIAMI-DADE COUNTY, FLORIDA

### CLIENT:

South Florida Water Management  
District, Construction Division

Mr. Jesse VanEyck, PE

Project Manager

3301 Gun Club Road

West Palm Beach, Florida 33406

Tel: (561) 682- 2605

E-mail: [jvaneyk@sfwmd.gov](mailto:jvaneyk@sfwmd.gov)

### RJ BEHAR'S ROLE:

Construction Management Services

PROJECT STARTED: 05/01/2018

PROJECT COMPLETED: 04/2019

COST/FEES PAID: \$131,965

CONSTRUCTION COST:

\$1,633,274

PROJECT #: 4600003815

### RJ BEHAR'S KEY PERSONNEL:

Juan Vazquez, PE, PH, BCEE

Task Manager

Michelle Leon, EI

Construction Inspector



The C-4 Canal Bank Improvements - Palmetto Phase 2 Flood Protection Berm Project is located in Miami-Dade County, Florida and included the construction of approximately 2,545 linear feet of earthen berms on the north bank of the C-4 Canal between SW 87<sup>th</sup> Avenue and SW 82<sup>nd</sup> Avenue.

The flood protection berm is to be constructed to a finished top elevation of 8.3 feet NGVD, with high performance turf reinforcement mat (HPTRM) installed on the canal-side bank as shown on the Contract Drawings. The work also includes the demolition of encroaching fencing, trees, and structures within the limits of the construction. It also includes the installation of fencing and the construction of irrigation pipes and an integrated drainage system featuring a stormwater collection swale with FDOT Type E inlets, drainage outfalls, concrete endwalls with manatee barriers, in-line check valves, finish grading, and sodding.

### Methodology & Approach:

The scope of this project consisted of providing construction management and inspection support services including:

- 1) Performing field inspections of the construction effort to verify conformance to the contract plans and Specifications,
- 2) Preparing daily reports documenting construction performance and inspections,
- 3) Photographing documentation of construction activities daily,
- 4) Attending progress construction meetings,
- 5) Coordinating and handling of submittals and Requests for Information (RFIs) with the District Construction Manager as necessary,
- 6) Performing field inspections to review and verify that the Environmental Protection Measures installed by the Construction Contractor were complying with regulatory requirements, and
- 7) Verification of Construction Contractor work performed and documented in Construction Contractor payment applications.
- 8) Provided fully incorporated Record Drawings (in AutoCAD) based on contractor certified as-built information

R.J. Behar & Company, Inc. (RJ Behar) also coordinated all the materials testing during the construction of the project done by Tierra South Florida, Inc.

### Quality Assurance/Quality Control:

Quality control included reviews of the Contractor's operations and testing of materials throughout the construction period.

### Management Process:

The work under this contract was planned, scheduled, executed and reported by the Contractor using a cost loaded schedule. The Management team used the E-Builder software to manage the contract documents.

### Results:

The project has been completed successfully.





## WEST AVENUE NEIGHBORHOOD IMPROVEMENT PROJECT MIAMI BEACH, FLORIDA

### CLIENT:

*Bergeron Land Development, Inc.*

*Brian Landis, E.I.*

*Project Manager*

*19612 SW 69<sup>th</sup> Place,*

*Ft. Lauderdale Florida 33332*

*Cell: (954) 218-7875*

*Office: (954) 680-6100 Ext: 224*

*Fax: (954) 252-8064*

*E-mail:*

[Brian.Landis@Bergeroninc.com](mailto:Brian.Landis@Bergeroninc.com)

### RJ BEHAR'S ROLE:

*Design of Water and Sewer,*

*Maintenance of Traffic and*

*Signalization*

**PROJECT STARTED:** 11/06/2014

**PROJECT COMPLETED:** 5/15/2017

**COST/FEES PAID:** \$314,250

**CONSTRUCTION COST:**

**\$31,000,000**

**CHANGE ORDERS:** None

**TIME EXTENSIONS:** None

### RJ BEHAR'S KEY PERSONNEL:

*Juan H. Vazquez, PE, PH, BCEE*

*Engineer of Record for Water*

*and Sewer*

*Carlos Mazorra, PE*

*Engineer of Record for Signalization*

*and Traffic Control Plans*

*Elmer Cardenas, PE, CEI*

*Senior Engineer*

*Hans Murzi, PE, CFM*

*Senior Engineer*

*Kira Leon, EI*

*Project Engineer*

*Sugeily Patxot*

*Designer*

This project's construction was completed on time and all permits and approvals were obtained expeditiously.

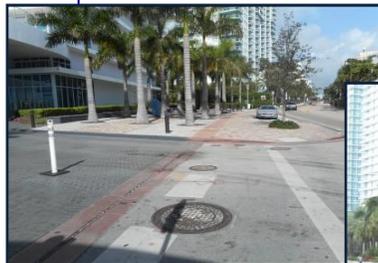
*The City of Miami Beach completed neighborhood improvements to the West Avenue area neighborhood. R.J. Behar & Company, Inc. (RJ Behar) worked on the Basis of Design Report (BODR); developing the engineering elements of the report. The City has, through the Water System Master Plan, analyzed the existing water system infrastructure throughout the City and recommended improvements to the water distribution system. The BODR, prepared in 2006, identified the need to replace existing water mains smaller than 8-inch in diameter for adequate fire protection, replacement of galvanized water mains and services, and replacement of water mains that were originally built with cast iron or ductile iron but not cement lined. The existing water mains were replaced with cement lined 8-inch diameter, minimum, ductile iron pipe (DIP). Pipe sized varied from 8 inch minimum to 20 inches. Service lines were 2-inch diameter minimum polyethylene tubing. New fire hydrants were also added to meet fire protection criteria.*

*The City also decided to upgrade the existing sewer systems to improve/eliminate infiltration and inflow. The new sanitary sewers were minimum of 8-inch diameter Polyvinyl Chloride (PVC) Sanitary Sewer Pipe. New manholes were precast and laterals were replaced to the edge of the right-of-way. Sanitary sewers varied in size from 8 inch minimum to 18 inch in diameter.*

*The project limits for this phase were:*

- *10<sup>th</sup> Street from Alton Road to the Intracoastal*
- *14<sup>th</sup> Street from Alton Road to the Intracoastal*
- *West Avenue from 6<sup>th</sup> Street to 8<sup>th</sup> Street*
- *West Avenue from 17<sup>th</sup> Street to Lincoln Road*

*As part of the design-build team, RJ Behar also designed and prepared construction plans for new traffic signals to replace the existing ones at the intersections of West Avenue and 8<sup>th</sup> Street, West Avenue and 17<sup>th</sup> Street, and West Avenue and 10<sup>th</sup> Street; prepared the maintenance of traffic plans for all the construction including the roadways; and designed the water and sewer improvements. RJ Behar also participated in the services during construction reviewing shop drawings, performing testing inspections, certifying as-built plans to close out permits and responding to RFI's.*





## SAGA BAY 1.2 SUB-BASIN WATER QUALITY IMPROVEMENT PROJECT TOWN OF CUTLER BAY, FLORIDA

### CLIENT:

Alfredo Quintero  
Public Works  
Director  
Town of Cutler Bay  
305-234-4262  
Email: [aquintero@cutlerbay-fl.gov](mailto:aquintero@cutlerbay-fl.gov)



R.J. Behar & Company, Inc. (RJ Behar) was contracted to perform design services for Saga Bay Basin 1.2. Saga Bay 1.2 sub-basin is located north of SW 198<sup>th</sup> Terrace, south of SW 196<sup>th</sup> Street, east of SW 81<sup>st</sup> Court and west of SW 78<sup>th</sup> Avenue. This project is part of a capital improvement program to improve the stormwater management system and treat runoff pollutants within this sub-basin.

### RJ BEHAR'S ROLE:

Drainage design and permitting

PROJECT STARTED: 1/06/2017

PROJECT COMPLETED: In  
Construction

COST/FEES PAID: \$59,450

CONSTR. COST: \$494,300

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
Principal in Charge

Hans Murzi, PE, CFM  
Engineer of Record

Kira Leon, PE  
Project Engineer

Xamarah Seda  
Designer

The current drainage system in this sub-basin consisted of isolated French Drains and Catch Basins. Roadside swales also provided some water quality pretreatment and storage of roadway run-off. The existing drainage infrastructure in the Saga Bay 1.2 Sub-Basin does not discharge adequate runoff to meet the desired performance criteria adopted in the Town's Stormwater Master Plan. The capacity of the existing roadside swales and French Drains were not sufficient to discharge the volume of runoff and treat pollutants. The area was experiencing flooding problems. The proposed improvements were connected to an existing outfall (existing 42" pipe located on SW 82<sup>nd</sup> Avenue) discharging into the Saga Park Lake. There were 400 LF of new 24" French drain installed to alleviate the flooding in the area, a new control structure with a weir was constructed to retain the runoff to be treated by the French drain prior to discharging into the lake. Some of the existing catch basins were replaced to provide sediment traps (sumps) and pollution retardant baffles to protect the French Drains. Finally, concrete aprons were installed around each Catch Basin to ensure that roadway runoff flow is not impeded by landscaping around the Catch Basins.





## FLORIDA MANGO UTILITY RELOCATIONS WEST PALM BEACH, FLORIDA

### CLIENT:

Randy Erysthee  
Project Engineer  
City of West Palm Beach  
401 Clematis Street  
West Palm Beach, FL 33401  
561-494-1040  
rerysthee@wpb.org

### RJ BEHAR'S ROLE:

Water main and Force main  
relocations

PROJECT STARTED: 9/12/18  
PROJECT COMPLETED: 9/2019  
COST/FEE PAID: \$32,000  
CONSTRUCTION COST: \$900,000  
CHANGE ORDERS: None

### RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE  
Principal in Charge

Juan H. Vazquez, PE, PH, BCEE  
Quality Control Reviews

Jasmani Riveron, PE  
Engineer of Record

*Palm Beach County's Road and Bridge Division has determined to replace the existing bridge on Florida Mango Road which crosses the L-2 Canal in unincorporated Palm Beach County, Florida. Because of this Project, the relocation of the City of West Palm Beach's existing utilities will need to be relocated.*

*R.J. Behar & Company, Inc. (RJ Behar) designed the replacement of the Florida Mango Bridge and was contracted by the City of West Palm Beach to design the utility relocations.*

*The work consisted of designing the relocation of 120 ft. of 12-inch DIP water main, 110 ft. of 6-inch DIP forced main and appurtenances that are in conflict white the bridge replacement work.*

*The scope included the design of the utility relocations (plans & profiles), cost estimating, permitting, coordination between projects, and post design services.*





**PIPELINE CONSTRUCTION INSPECTION SERVICES  
MIAMI-DADE COUNTY, FLORIDA**

**CLIENT:**

Miami-Dade Water & Sewer  
Department  
3071 SW 38<sup>th</sup> Avenue, Suite 152  
Miami, Florida 33146

Hallett Stiles  
Project Manager  
Tel: (786) 268-5365  
E-mail: [Hallett.Stiles@miamidade.gov](mailto:Hallett.Stiles@miamidade.gov)

**RJ BEHAR'S ROLE:**  
Construction Inspection Services

PROJECT STARTED: 5/27/2016  
PROJECT COMPLETED: 12/2017  
COST/FEE PAID: \$35,000  
CONSTR. COST: N/A  
PROJECT NO.: WS-S-245

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

Sugeily Patxot  
Inspector  
Enrique Leiva  
Inspector

*R.J. Behar & Company, Inc. (RJ Behar) was contracted to provide consulting inspection services identified below related to multiple improvement projects situated within Miami-Dade County.*

*Services included the following:*

- Contractor Monitoring
- Problem Resolution
- Quantity Verification
- Traffic Control
- Maintaining both a detailed electronic and hard copy diary project journal
- Attending Project Meetings
- Record Drawing Review
- Developing a Progressive List of Items Requiring Correction
- Notification of Accident Damage/Injury
- Conducting Substantial Completion Inspection





## B-134 PAINT MIX BUILDING WEST PALM BEACH, FLORIDA

### CLIENT:

South Florida Water  
Management District

Suconsultant to ADA Engineering  
Jeffrey Vollat, PE  
8550 NW 33<sup>rd</sup> Street, Suite 202  
Miami, Florida 33122  
305-551-4608  
jvollat@adaeng.net

### RJ BEHAR'S ROLE:

Structural Engineering and  
Engineering During Construction

PROJECT STARTED: 10/11/2017  
PROJECT COMPLETED: 3/ 2019  
COST/FEES PAID: \$23,400  
CONSTRUCTION COST:  
\$543,136

### RJ BEHAR'S KEY PERSONNEL:

Juan H. Vazquez, PE  
Engineer of Record

Jossmel Cruz, EI  
Structural Designer

Jose Peña, PE  
Quality Control Structural Design

David Anderson, PMP  
Inspections During Const.

The South Florida Water Management District performs spillway gate overhauls including disassembly, welding repairs, sand blasting and recoating in the B-134 Gate Maintenance Facility located in the southwest corner of the West Palm Beach Field Station. This project was established to design a new paint mixing room facility using a pre-engineered metal building system. The new facility evaluated the use of insulated double walled panels. The prefabricated paint mix rooms come equipped with code compliant lighting, wiring, ventilation and containment systems. The new pre-engineered metal building included gutters, downspouts and other appurtenances needed to collect and direct rain water away from the facility. The Project scope included demolition of the existing B-134 butler building addition 10-foot by 40-foot by 7-foot high space that housed the paint mix equipment, some chemicals and paint storage. The proposed paint mix booth has an inside working space of 8 feet width x 15 feet length with a second door added for emergency exit and still accommodate two (2) staff members, two (2) tables, containers of solvent, paint mix and paint cleaning equipment.

RJ Behar performed the structural analysis and plans preparation for the new building addition to the existing maintenance facility and provided inspection and engineering services during construction.



# FLORIDA ENGINEERING & TESTING, INC.

## 1. Project Title and Location:

Water Treatment Plant 2A  
1390 N.E. 50th Street;  
Pompano Beach, FL 33064



**Project Owner:** Broward County

**Contact:** Mr. Glenn Cunningham

**Contact Number:** 954-987-0066, Hazen & Sawyer

**Project Period:** 11/10 to 5/12

Three (3) year \$3.8 Million improvements to municipal water treatment plant hypochlorite system including, pads for tanks, additions, sidewalks, trenches, etc. FE&T was involved with geotechnical engineering and sampling & testing services for this project.

**Role:** Subconsultant for Geotechnical Engineering, Sampling & Testing Services



## 2. Project Title and Location:

N.W. 77th Way Water Main Replacement  
Phase I and II  
Pembroke Pines, Florida

**Project Owner:** City of Pembroke Pines

**Contact:** Mr. Jason Shlimbaum

**Contact Number:** 954-797-7710, JMS Construction Services

**Project Period:** 8/11 - Present

Two (2) year \$1 Million water main replacement for 2 phases of residential homes in Pembroke Pines. FE&T was involved with environmental engineering, geotechnical engineering and sampling & testing services for this project.



**Role:** Subconsultant – Geotechnical & Env. Engineering, Sampling & Testing Services

**Florida Engineering & Testing, Inc.**

**3. Project Title and Location:**

The Kosher House – 6-Story Hotel  
 5530 South State Road 7; Hollywood, FL

**Project Owner:** The Shoppes at Hardrock, LLF

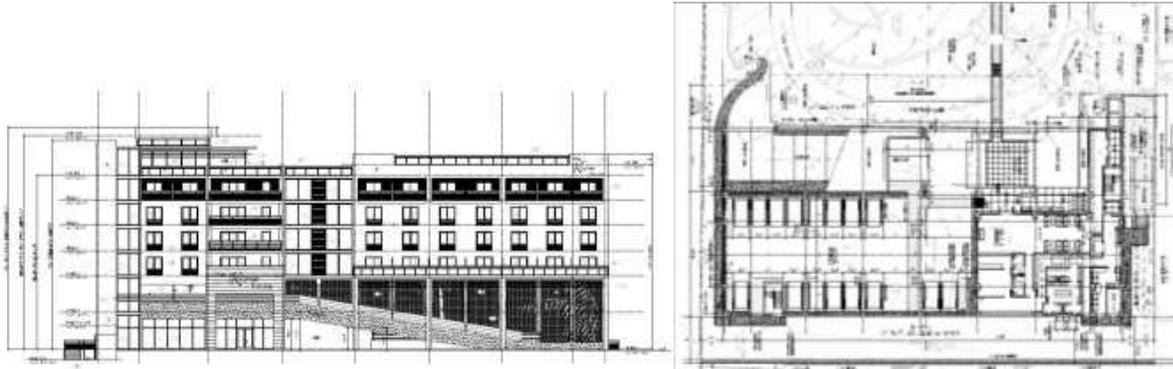
**Contact:** Michelle Sherlock

**Contact Number:** 954 920 5746 @ JB Kaller & Assoc

**Project Period:** 2019

6-Story Hotel to be built on Auger Cast Piles. FE&T perform SPT borings, exfiltration tests, etc. to provide foundation recommendations including L pile analysis for later capacities of the auger cast piles.

**Role:** Subconsultant – Geotechnical & Env. Engineering, Sampling & Testing Services



**4. Project Title and Location:**

Wright's Nest – 8-Story Building  
 700-712 SW 2nd Court;  
 Fort Lauderdale, FL

**Project Owner:** Wright's Nest

**Contact:** Stewart Robin

**Contact Number:** 954-529-9000 @ Nest Plans

**Project Period:** 2019

8-Story building to be built on Auger Cast Piles. FE&T perform SPT borings, exfiltration tests, etc. to provide foundation recommendations including L pile analysis for later capacities of the auger cast piles.

**Role:** Subconsultant – Geotechnical & Env. Engineering, Sampling & Testing Services



**5. Project Title and Location:**  
Port Everglades Perimeter  
Lighting Project

**Project Owner:** Port Everglades

**Contact:** Armando Trujillo

**Contact Number:**

(305) 461-2053@ BEA Architects

**Project Period:** 2020

Installing 51 light poles at the perimeter of Port Everglades. FE&T provided geotechnical engineering and drilling for this project.



**Role:** Subconsultant – Geotechnical & Env. Engineering, Sampling & Testing Services

**6. Project Title and Location:**  
FLL Exit Roadway and Valet Routing Improvements

**Project Owner:** Fort Lauderdale Airport

**Contact:** James Thiele

**Contact Number:** 561.469.0992 @ Keith & Associates

**Project Period:** 2018 - Present

Improvements to the airport including: helix bridges, light poles, overhead signage, cantilever signs, etc. FE&T provided geotechnical engineering and drilling for this project.

**Role:** Subconsultant – Geotechnical & Env. Engineering, Sampling & Testing Services





## **City of Pompano Beach Experience**

<b>Job name</b>	<b>Location</b>	<b>Contractor Name</b>	<b>Contract Amount</b>	<b>Structure type</b>	<b>Services performed</b>
City of Pompano Beach - A1A WM Ext	City of Pompano Beach	Murphy Pipeline Contractors	7595.00	Water Main	Layout & AsBuilts
Esquire Lake Neighborhood	City of Pompano Beach	Mathews Consulting, Inc.	74625.00	Water/Sewer Imp	Topographic Design Survey
Liberty Park	City of Pompano Beach	Mathews Consulting, Inc.	5495.00	Water/Sewer Imp	Topographic Design Survey
Area D Sanitary Sewer	City of Pompano Beach	Mathews Consulting, Inc.	7000.00	Sanitary	Topographic Design Survey
Gold Coast Beverage	City of Pompano Beach	ARCO National Construction	15690.00	Warehouse	ALTA Design Survey
Pompano Marketplace	City of Pompano Beach	Winslow Property Management	1375.00	Sidewalk	Topographic Design Survey
TD Bank - Pompano Marketplace	City of Pompano Beach	Pompano MZL, LLC	1500.00	Demo Area	AsBuilts
WWTP - Bio Gas	City of Pompano Beach	Opterra Energy	2700.00	Wastewater	AsBuilts/Final Survey
TD Bank - Pompano Marketplace	City of Pompano Beach	Perillo Construction	5000.00	Building/Parking	Layout & AsBuilts
Pompano Bch - Reuse Sys NE Exp - PH1	City of Pompano Beach	DBF Construction	26895.00	Wastewater	Layout & AsBuilts
FPL Pompano Bore	City of Pompano Beach	Danella Utility Construction	5700.00	AsBuilts	AsBuilts
Hendrick Honda	City of Pompano Beach	EMH & T	11300.00	Alta	ALTA Design Survey

# ACREAGE COMMUNITY PARK

PALM BEACH COUNTY, FLORIDA

**CLIENT:** Indian Trails Improvement District

**LOCATION:** Palm Beach County

**PROJECT TYPE:** Parks/Recreational

**SERVICES PROVIDED:** Planning and Landscape Design

**CONTACT:** Robert Robinson

**CONTACT NUMBER:** 561-793-0874

**COMPLETION DATE:** 2011 -2018

Cotleur & Hearing was retained to provide a full range of Planning and Landscape Architecture services for the Acreage Community Park location in the center of the Acreage, just south of Orange Blvd and east of Seminole Pratt Whitney Road. Cotleur & Hearing services included landscape design, site plan design and irrigation design. The initial approval for the Acreage Community Park South Expansion included a 45,000 SF Community Center, 2,050 SF Concession/Restroom building, two multi-purpose fields, four baseball/softball fields, batting cages, two (2) 1,800 SF pavilions, a children's park and associated parking.



# CROSTOWN PARKWAY

PORT ST. LUCIE, FLORIDA

**CLIENT:** City of Port St. Lucie

**LOCATION:** Port St. Lucie, Florida

**PROJECT TYPE:** Passive Plaza/Linear Park

**SERVICES PROVIDED:** Conceptual Master Planning

**CONTACT:** Frank Knott

**CONTACT NUMBER:** 772-344-4290

**COMPLETION DATE:** Ongoing

Cotleur & Hearing was retained to provide conceptual master planning design services for the passive neighborhood plaza and linear park project. The waterfront park includes a donation paver plaza designed in an outline of a "snook" fish. The majority of the plaza design is located underneath the Crosstown Parkway bridge overpass on the west side of the St. Lucie River in the City of Port St. Lucie. Local elements such as pineapples and manatees were incorporated into the design to illustrate the history of the area. Paver patterns replicate currents of water as shown in the meandering paths of the walks and piers. Site furniture, shade structures and docks used for fishing and kayak launches are provided along the parks littoral edge.

## CROSTOWN PARKWAY Port St. Lucie, Florida



**SITE PLAN - PARK & PLAZA**



# WINTERLAKES PARK

Port St. Lucie, FLORIDA

CLIENT: City of Port St. Lucie

LOCATION: Port St. Lucie

PROJECT TYPE: Park/Master Plan

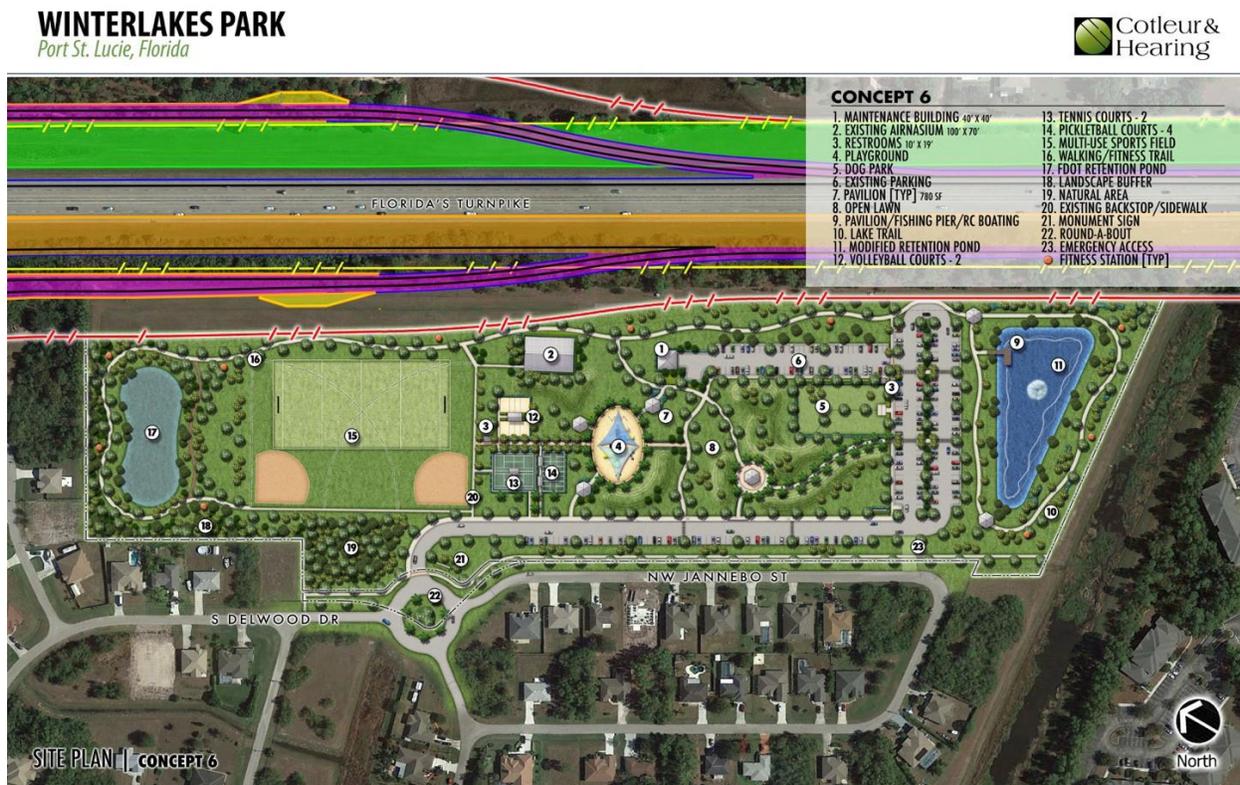
SERVICES PROVIDED: Landscape Architecture,

CONTACT: Brad Keen

CONTACT NUMBER: 772-344-4005

COMPLETION DATE: 2017

Cotleur & Hearing worked with the City of Port St. Lucie Parks and Recreation Department, City of Port St. Lucie Torino Community, and City Council to prepare a Conceptual Master Plan for Winterlakes Park. The Conceptual Master Plan includes athletic game fields, playgrounds, sports courts, individual and group shelters, picnic facilities, practice areas, open space, trails, dog park and public restroom facilities for the passive neighborhood park. Cotleur & Hearing facilitated two (2) public neighborhood meetings, including a well-attended charrette. The plan is in accordance with policies, goals and objectives of the Parks & Recreation Department and consistent with the City of Port St. Lucie Strategic Plan.



# I-95/I-595 INTERCHANGE

FT. LAUDERDALE, FLORIDA



**CLIENT:** Florida Department of Transportation

**LOCATION:** Ft. Lauderdale, Florida

**PROJECT TYPE:** Transportation

**SERVICES PROVIDED:** Landscape Architecture, Irrigation and Hardscape Design

**CONSTRUCTION COST:** \$6M

**COMPLETION DATE:** 2014

Cotleur & Hearing was retained by the FDOT to provide the design for this signature landscape project. The I-95/I595 Interchange is a major gateway for south Florida residents and tourists traveling by car, airline, ship or train. The location was chosen by FDOT's Secretary, Ananth Prasad, to receive extensive landscape improvements in accordance with FDOT's new "Bold Vision" approach to landscape design. The project was fast-tracked as it had to be designed in two months and constructed in six. As a stand-alone landscape project, Cotleur & Hearing's role included landscape, irrigation and hardscape design and about two miles of retaining walls that terrace the roadway side slopes to capture water for the plantings and reduce the potential for erosion.

This project also included design of retention ponds, traffic control plans, storm water prevention plans and permitting. Some of this scope was shared by a consultant on Cotleur & Hearing's team, Metric Engineering. Cotleur & Hearing also provided post design services, approved all plant materials, (some as far away as California), layout and ongoing coordination for all aspects of the construction process. This project includes a three-year warranty period by the contractor and Cotleur & Hearing will provide quarterly inspections throughout that period.

The proposed plant palette includes trees and palm selections that are the biggest and best quality plants available. The species chosen provide the most color, texture and tropical appearance. Instead of native plant species that reinforce the existing plant communities in South Florida, these species were chosen for their aesthetic value, ease of maintenance and ability to create the illusion of being in the tropics. Species that tolerate wet conditions were utilized within the lower dry pond areas and the more drought tolerant species were used on the roadway side-slopes. Large masses of palm trees and flowering trees were used in various sizes to provide 'movement' for traveling motorists. The project provides a huge visual impact and is one of the boldest landscape projects completed in South Florida to date.



CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 10

### Resumes of Key Personnel



**HANS MURZI, PE, CFM**  
**PROJECT MANAGER/STORM WATER/DRAINAGE IMPROVEMENT,  
 INSPECTIONS AND REPAIRS OF WATER/WASTEWATER/  
 STORMWATER SYSTEMS, CANAL AND LAKE DREDGING**

**EDUCATION**

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

**YEARS OF EXPERIENCE**

18 Years

**YEARS WITH RJ BEHAR**

2014 – Present

**PROFESSIONAL REGISTRATIONS**

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

**ENGINEERING EXPERIENCE**

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

**RELEVANT EXPERIENCE**

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

Project Engineer: He is responsible for the preparation of the stormwater design of the proposed improvements. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project intends to improve the drainage systems within the project area.

**Stormwater Master Plan Implementation for NW 29<sup>th</sup> Street and NW 31<sup>st</sup> Street, Miami-Dade County, Florida – City of Doral**

Project Manager responsible for providing drainage improvements to two specific locations identified in the City's master plan as sub basin D-3. He is providing the design of the drainage improvements, permitting, French drains.

**MS4 NPDES Stormwater Assessment Program, Miami-Dade County, Florida – City of Hialeah**

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

**Oakhill Culvert Replacement, Broward County, Florida – Town of Davie**

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

**Waterline Design along NE 16<sup>th</sup> Avenue, NE 146<sup>th</sup> Street and NE 18<sup>th</sup> Avenue, Miami-Dade County, Florida – City of North Miami**

Project Engineer: He revised the plans and completed the bid packages for the water line plans, and specifications.

**Copans Road Wastewater Transmission System Design - City of Coconut Creek**

Deputy Project Manager/Project Engineer: He was responsible for the plans 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 NRWTP, 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**

Deputy Project Manager/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.

#### **Miscellaneous Drainage Projects, City of Doral, Florida**

Drainage Engineer/Engineer of Record: He was responsible for design of drainage improvements at several locations, supervising the preparation of plans and permitting of the improvements.

#### **Little Country Estates Stormwater Improvements, Broward County, Florida – Town of Davie**

Project Manager/Lead Engineer for the report preparation and design.

#### **Alhambra Place Drainage Improvements Study, Palm Beach County, Florida – City of West Palm Beach**

Project Manager/Engineer of Record who was responsible for the field visits, data collection, evaluation of existing conditions, evaluation of possible alternatives to mitigate flooding conditions, and preparing a report with the summary of findings and recommendations. Among the alternatives studied were the use of French drains, adding additional inlets and increasing the size of existing outfalls.

#### **Turnpike Widening from Johnson Street to Griffin Road, Broward County, Florida – Florida Turnpike Enterprises**

Drainage Engineer responsible for the stormwater management design, AdICR modeling and Pond Siting Report for the project. RJ Behar is responsible for the Location Hydraulics Technical Memorandum, Stormwater Management Concepts Report, Pond Siting Report/Stormwater Management Alternatives Report and Stormwater Management Design Report.

#### **I-95 at 6<sup>th</sup> Avenue Interchange PD&E, Lake Worth, Florida, Florida Department of Transportation (FDOT), District 4**

Project Engineer responsible for preparation of the Conceptual Drainage Report as part of the PD&E study of the Interchange Improvements. RJ Behar scope includes preparation of the Interchange Modification Report, Public Involvement, all engineering analyses, Contamination Assessment Report, cost estimates, and preparation of the Preliminary Engineering Report and the Class of Action (Categorical Exclusion Type II) documents.

#### **C-44 Reservoir STA Project, Palm Beach County, Florida – South Florida Water Management District**

Deputy Construction Project Manager during the construction of the project as part of the Construction Management Team. He assisted the Lead Construction Manager with the review and processing of Requests for Information (RFIs), Requests for Proposals (RFPs), Value Engineering (VE) proposals and substitutions received from the Contractor.

#### **Districtwide In-House Consultant Plans Review/Support Services, Fort Lauderdale, Florida – FDOT D4**

Drainage Engineer: He is responsible for reviewing the drainage plans. The project includes reviews for compliance with FDOT criteria, construction time estimate preparation/review, review of computation booklets, specification packages, cost estimates, etc. The deliverables include review comments in the ERC database, marked-up plans, design exception variation reports, contract time estimates, traffic control plan review/constructability, quantity computations with pay item verifications, utility conflicts, right-of-way encroachments, etc.

#### **Seawall Design at Tobie Wilson Park, Miami-Dade County, Florida – Town of Medley**

Permitting Engineer: He prepared the fill and dredge plans and permitting packages for SFWMD (ERP and ROW) and USACE (Sections 404 and 408). The scope of work will include design of approximately 850 feet of a new bulkhead wall located along the south bank of the Miami Canal.

#### **Booster Stations Seawall Repair #1, Miami-Dade County, Florida – Town of Medley**

Drainage Engineer responsible for the preparation of 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.

#### **Cypress Weir 1 (Gold4A) Relocation Design, Naples, Florida, South Florida Water Management District**

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

#### **Naples Beach Outfalls Hydrologic and Hydraulic Modeling – City of Naples, Florida**

Lead modeler in XP-SWMM of the existing conditions and different potential alternatives to eliminate the City of Naples Beach outfalls. Project is located within Basin II, with an approximate contributing area of 395 acres.

#### **SR-5/US-1 Lateral Ditch Restoration, Indian River County, Florida – FDOT District 4**

Project Engineer: He was responsible for the permit package and with the plans preparation. The permitting included evaluation of impacts to endangered species, mangroves, sea grasses, and oyster reefs. RJ Behar prepared the permit packages and the fill and dredge sketches for permitting of the project.

#### **NW 87<sup>th</sup> Avenue, Miami-Dade County, Florida – FDOT District 6**

Project engineer responsible for revisions to the drainage design. He prepared the dewatering plan and permit package for the SFWMD dewatering permit.

**Central Broward Water Control District (CBWCD) Engineer Services – Broward County, Florida**

District Engineer responsible for the 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, 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.

**Broward County Floodplain Mapping Efforts – Broward County/FEMA, Florida**

Drainage Modeler responsible for managing the overall aspects of the project that included data collection and development, GIS data acquisition and analysis, modeling, and development of the final report. The project area encompasses the complete Broward County with some portions of Dade County on the north and Palm Beach County on the south. Scope of services included modification of MIKE SHE/MIKE 11 model for the entire Broward County with new LIDAR based DEM and new Land Use data, calibration and verification of the model using known Hurricane storm events by modifying Structure/Gate openings, Tidal boundaries and Boundary Conditions, simulating the calibrated model for several design storm event scenarios and development of final report.

**North New River Hydraulic Modeling, I-595 Corridor Improvements, Fort Lauderdale, Florida – FDOT District 4**

Project engineer assisting in the HEC-RAS modeling of the North New River Canal (NNRC). The NNRC Basin covers an area of about 19,000 acres in eastern Broward County. The NNRC provides flood protection and drainage for the NNRC Basin, and water supply to the basin during periods of low natural flow. The NNRC was modeled for the existing conditions, and calibrated against historical storms, and then several scenarios were modeled to analyze different alternatives to keep the channel capacity due to the SR-84 expansion that required filling of a portion of the channel. More than 14 miles of channel were modeled in HEC-RAS.

**I-595 Corridor Improvements, Fort Lauderdale, Florida – FDOT District 4**

Deputy Drainage Lead for the drainage design of 14 miles of corridor improvements. This project was a Public Private Partnership. The construction value was \$1.362 billion. The improvements included the addition of 3 reversible tolled express lanes, widening of the six lane Interstate, reconstruction of the four-lane divided arterial (SR-84), 68 bridge structures, and improvements to the North New River Canal. Key design components include 8 braided ramp structures, directional connectors between the express lanes and Florida's Turnpike and improvements to three major interchanges.

**SR 710/Beeline Highway Widening from Northlake Blvd. to SR 708/Blue Heron Blvd, FDOT D4**

Assisted with the preparation of the drainage report for the project. The project is to accommodate the widening of SR710 and the Florida Turnpike bridge over SR710 has to be replaced. RJ Behar designed the roadway elements for widening the Turnpike from 6 to 10-lanes for approximately 1.5 miles.

ROBERT BEHAR, PE

**PRINCIPAL IN CHARGE/ROADWAY/STREETScape,  
SIDEWALKS, BIKE LANES, PARKING LOT/PARKS, LIGHTING  
GRANTS/FAA, FDOT COMPLIANCE**

**EDUCATION**

M.S. Civil Engineering, University of Florida, 1975  
B.S. Civil Engineering, University of Florida, 1974

**YEARS OF EXPERIENCE**

44 Years

**YEARS WITH RJ BEHAR**

1999 - Present

**PROFESSIONAL REGISTRATIONS**

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

**ENGINEERING EXPERIENCE**

He began his engineering career in 1977 with the Florida Department of Transportation and has over 44 years of experience in the planning, design and management of transportation projects nationwide. He has worked on projects for many municipalities throughout South Florida. Mr. Behar is a "Voting Member" of the Florida Greenbook. He has been a very active member of various engineering societies; where he has served as president of the South Florida Section and Miami-Dade Branch of the American Society of Civil Engineers, Chair of the American Society of Civil Engineers Highway Division, Chair of Florida Institute of Consulting Engineers Transportation Production Committee, and member of the Transportation Research Board's Geometric Design Committee. Mr. Behar was awarded the Ben Watts Partnership Award in 2010.

**RELEVANT EXPERIENCE****Seawall Repairs, Broward County, Florida – City of Pompano Beach**

Principal in Charge for the design and permitting of repairs to seawalls and site improvements at Hillsboro Inlet Park.

**Old Davie School Improvements – Town of Davie, Florida**

Project Manager for the civil engineering site design, drainage, utility improvements, including sanitary lift stations and submersible pumps, and site field visits. The scope of the project consisted of site design, drainage, parking and utility improvements for an historical school (now converted to a museum) and an adjacent park property.

**Hialeah Public Works Site Plan, Miami-Dade County, Florida – City of Hialeah**

Principal in Charge – The project included site redevelopment and drainage improvements associated with the construction of the new Hialeah Public Works Complex.

**Devine Park, Broward County, Florida – Town of Davie**

Principal in Charge – The Town of Davie contracted RJ Behar to convert a portion of the Devine Estates Tree Nursery into an equestrian park.

**Tamarac Sport Complex, Broward County, Florida – City of Tamarac, Florida**

Principal in Charge for the design for the site plans of a new sports complex in the City of Tamarac.

**Wolk Park Lake Improvements, Broward County, Florida – City of Lauderhill, Florida**

Principal in Charge – RJ Behar provided lighting improvements for the park's fitness trail and construction inspections.

**Westwind Park Improvements, Broward County, Florida – City of Lauderhill, Florida**

Principal in Charge – RJ Behar provided lighting improvements for the park's fitness trail and design of exercise equipment pads along the trail as well as construction inspections.

**Welleby Park Expansion, Broward County, Florida – City of Sunrise**

Principal in Charge – RJ Behar provided coordination with the City of Sunrise for the location and design of the concrete pads for the "LifeTrail" ADA accessible wellness/exercise stations.

**Seawall Design at Tobie Wilson Park – Town of Medley, Florida**

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



**Lua Curtis Library Parking Lot, Miami-Dade County, Florida – City of Hialeah**

Principal in Charge/Project Manager: The scope included plans, contract documents, permitting, utility coordination and contract specifications. Paving, grading and drainage plans for a parking lot in the City of Hialeah. Project included French drains for water quality and water and sewer connections.

**Coral Gables Courthouse, Miami-Dade County, Florida – Miami-Dade County**

Engineer of Record for the structural design.

**McDonald Park Pedestrian Bridge, Miami-Dade County, Florida - City of Hialeah**

Project Manager/Engineer of Record – Services included the structural design for all the piers supporting the pre-fabricated pedestrian bridge and field inspection.

**5<sup>TH</sup> Street Fire Station Mezzanine Addition, Miami-Dade County, Florida – City of Hialeah**

Project Manager/Engineer of Record – The project included structural design for the new mezzanine and coordinating the mechanical, electrical, plumbing and fire sprinkler systems modifications. The structural modifications required that the existing foundations be reinforced for the additional loads.

**NW 87<sup>th</sup> Avenue from NW 74<sup>th</sup> Street to NW 103<sup>rd</sup> Street, Miami-Dade County, Florida – Florida Department of Transportation (FDOT), District 6**

Principal in Charge/Project Manager for roadway design of new construction and reconstruction of NW 87<sup>th</sup> Avenue. The scope included the new construction and reconstruction in Medley, Florida. This project included roadway plans, drainage, traffic, lighting, signing and marking, signalization and bridge plans. He was responsible for all post design activities including responding to RFIs, Change Orders and going to the field to resolve any issues with the Contractor. Project length: 1.90 miles ±

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

Project Manager/Engineer of Record responsible for the complete design of the roadway plans, drainage plans, signing and pavement markings, signalization, lighting, wetland assessment, and utility coordination. NE 151<sup>st</sup> Street is an off-system roadway bound by the Florida Greenbook, for its design criteria. Drainage design includes a series of interconnected French drains with drainage wells.

**SW 136<sup>th</sup> Street from US-1 to Old Cutler Road Lap Project, Miami-Dade County, Florida – Village of Palmetto Bay/ Florida Department of Transportation (FDOT), District 6**

Project Manager/Engineer of Record responsible for the design of the roadway plans, pavement marking and signing plans, utility coordination, drainage design and, permitting. The improvements will require milling and resurfacing the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project was accommodating the proposed sidewalks and bicycle lanes in a right of way constrained corridor.

**NW 35<sup>th</sup> Avenue Greenway Enhancement FDOT Local Agency Program (LAP) Project – City of Lauderhill, Florida**

Principal in Charge for the conversion of a jogging path to a Greenway from NW 35<sup>th</sup> Avenue from North Broward Boulevard to NW 5<sup>th</sup> Place within the City of Lauderhill. The project included decorative elements to the existing asphalt jogging path/trail on the east side of the corridor, along three sections of NW 35<sup>th</sup> Avenue. As part of the community enhancement features project, there were pedestrian and bicycle improvements, decorative lighting, ADA compliant sidewalks and curb ramps, landscaping, irrigation, roadway signage, pavement markings, including bicycle lane striping, and street furniture. *Project Length: 0.569 Miles; Cost/Fees Paid: \$106,989.00; Construction Cost: \$599,982.00; Financial Project Id No.: 431710-1-58-01*

**SR-7/Broward Boulevard, Broward County, Florida – FDOT, District 4**

Project Manager: These Intersection improvements included adding left and right turn lanes, widening and resurfacing approaches, signing and marking, signalization, and right-of-way maps.

**Young's Circle Improvements, Broward County, Florida – FDOT, District 4**

Project Manager: He supervised the reconstruction and reconfiguration of Young's Circle including all signage, signalization, maintenance of traffic, roadway design, and drainage.

**Miami-Dade County Lighting Improvement Projects, Miami-Dade County, Florida – Miami-Dade County Public Works**

Principal in Charge for the lighting improvements plans for San Simeon Way from Ives Dairy Road to NE 215<sup>th</sup> Street and SW 76<sup>th</sup> Street from SW 107<sup>th</sup> Avenue to SW 117<sup>th</sup> Avenue within Miami-Dade County.

**SR-7/US-441 Roadway Lighting and NW 11<sup>th</sup> Place Pedestrian Lighting Improvements LAP Project, Broward County, Florida – City of Lauderhill/FDOT, District 4**

Principal in Charge: The scope of this project included milling and resurfacing, installation of decorative stamped concrete and asphalt, lighting, landscaping, and street furniture. This is a FDOT Local Agency Program (LAP) Project.

**W. 76<sup>th</sup> Street from Hialeah Gardens Boulevard to W. 36 Avenue, Miami-Dade County, Florida – City of Hialeah**

Project Manager who was responsible for the lighting design calculations and lighting plans; signing, marking and

channelization plans as well. The scope of this project consisted of roadway reconstruction and some milling and resurfacing of a two-lane road, curb and gutter type F, valley gutter, new sidewalks, on-street parking, exfiltration drainage systems, storm sewers, sodding, signing, pavement markings, and roadway lighting. This is part of the continuous neighborhood improvement program the City has been conducting for years. Under this program RJ Behar has completed more than 50 miles of City street improvements.

**SR-5/Biscayne Boulevard from N of NE 121<sup>st</sup> Street to NE 151<sup>st</sup> Street, Miami-Dade County, Florida - FDOT District 6**  
Principal in Charge: The scope of services includes milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades, with improved signalization configuration.

**Andrews Avenue from Atlantic Boulevard to NW 15<sup>th</sup> Avenue Improvement, Broward County, Florida – FDOT, District 4**

Project Manager for the new construction of Andrews Avenue from. The project included roadway design, signal plans, signing and marking, lighting, bridge plans, and traffic studies.

**East 1<sup>st</sup> Avenue to E. 2<sup>nd</sup> Avenue Between E. 16<sup>th</sup> & E. 20<sup>th</sup> Street - Design Study, Miami-Dade County, Florida – City of Hialeah**

Project Manager/Engineer of Record for roadway plans, signalization plans, utility relocation plans as well as the design and drafting of signing and marking plans, traffic study, and lighting plans including lighting calculations for the reconstruction of East 1<sup>st</sup> Avenue from 1-way to a 2-way street. The project also included neighborhood street improvement, new pavement and drainage and new sidewalks.

**SR-5/US-1 Resurfacing, Boca Raton, Florida, Broward County, Florida – FDOT, District 4**

Project Manager: The scope of this project consisted of milling and resurfacing the existing pavement; upgrading the signal pedestrian features to current ADA (American with Disabilities Act) standards, new signing and pavement markings with upgraded landscaping.

**SR-5/US-1/Overseas Highway from Fontaine Drive to S. of Tavernier Creek Bridge, Monroe County, Florida – FDOT, District 6**

Principal in Charge: The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades. Enhanced traffic signal signage was required due to a high rate of accidents at the corridor's one signalized intersection. Additionally, the Typical Section was modified to accommodate bicycle lanes without widening.

**Miami River Greenways, Segment D, Miami-Dade County, Florida – City of Miami**

Principal in Charge: The project consisted of the reconstruction of an existing roadway segment along the Miami River to produce a scenic, landscaped, pedestrian/bicycle walkway/greenway. The project included the design of a drainage system with wells, decorative lighting and landscape/hardscape design.

**SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4**

Principal in Charge for the resurfacing (RRR) of 3 mile of urban roadway, including signal plans, lighting plans, marking and signing plans including signal plans, lighting plans, marking and signing plans.

**SR-80/Southern Boulevard Improvements, Palm Beach County, Florida – FDOT, District 4**

Project Manager/Principal in Charge: He was responsible for the design and preparation of construction documents for the reconstruction of a 2.5 mile urban roadway, including a major urban interchange.

**SR-818/Griffin Road, Broward County, Florida – FDOT, District 4**

Project Manager: He supervised the full design services for 4.5 mile urban corridor, converting a two-lane rural section to a six-lane urban section.

**Davie Road Beautification Streetscape Project, Broward County, Florida – Town of Davie**

Principal in Charge for the Downtown Davie streetscape beautification design-build project. The project consisted of street resurfacing, new lighting, and sidewalk replacement.

**NW 44<sup>th</sup> Street, Broward County, Florida – City of Lauderdale Lakes**

Project Manager: The project included the design and construction management of new construction for approximately 0.5 mile. The scope of services included drainage plans, marking and signing plans and lighting plans.

**NW 7<sup>th</sup>/9<sup>th</sup> Avenue Connector Design, Broward County, Florida – City of Fort Lauderdale**

Project Manager/Principal in Charge: The project included the roadway design of a 1.5 mile urban section, 4-lane divided, connector in Downtown Fort Lauderdale. The scope of this project included signalization, drainage design, signing pavement marking and permitting as well as public involvement coordination.

**NW/NE 13<sup>th</sup> Streetscape, Broward County, Florida – City of Fort Lauderdale**

Project Manager: He was responsible for the Master Plan and Public Involvement for a 2.1 mile roadway, in Fort Lauderdale. The scope included resurfacing plans, marking and signing plans, landscape plans and roundabout design.



**NE 15<sup>th</sup> Avenue Streetscape, Broward County, Florida – City of Fort Lauderdale**

Project Manager: The project included master plan and public Involvement for a 1.0 mile roadway, including resurfacing plans, marking and signing plans, landscape plans.

**Sunset Strip Pavement Evaluation, Broward County, Florida – City of Sunrise**

Project Manager: He prepared an alternative report for the pavement and drainage improvements to Sunset Strip, a major collector City Street. The Report included recommendations, a roadway alternative for addressing pavement base failure and drainage problems and a cost estimate for the proposed improvements.

**Keystone Point Neighborhood Traffic Study, Miami-Dade County, Florida – City of North Miami**

Principal in Charge – RJ Behar was contracted by the City of North Miami to conduct a speed study for the Keystone Point Neighborhood. The study's objective was to determine the number of vehicles traveling above the speed limit and overall traffic speeds throughout the neighborhood. Additionally, the report was to include traffic calming measures that could be implemented to deter speeding.

**Town of Southwest Ranches Traffic Study, Broward County, Florida – Southwest Ranches**

Principal in Charge – The project included speed studies, origin-destination studies and daily traffic counts.

**NW 44<sup>th</sup> Street Traffic Study, Broward County, Florida – City of Lauderdale Lakes**

Project Manager: He prepared the traffic study for the design of NW 44<sup>th</sup> Street roadway improvements from East of State Road 7<sup>th</sup> to the city limits within the City of Lauderdale Lakes. The study included traffic projections warrant analysis and an arterial progressive analysis.

**Pembroke Road Traffic Study, Broward County, Florida – Broward County Engineering**

Principal in Charge – He supervised a traffic study to warrant 3 signals on Pembroke Road, including warrant analysis and traffic projections.

**W. 29<sup>th</sup> Street 3R Safety Review from Okeechobee Road to W. 4<sup>th</sup> Ave, Miami-Dade County, Florida – City of Hialeah**

Project Manager/Principal in Charge – The scope of services consisted of a 3R Safety Review, which included crash data analysis, field observations to provide a report with recommendations to minimize the frequency of accidents. Project length: 1.5 miles

**CONSTRUCTION EXPERIENCE****Safe Routes to School CEI Services - Town of Cutler Bay, Florida**

Principal in Charge for the installation of 5' wide concrete sidewalks, the repair and replacement of damaged concrete sidewalks, the installation of detectable warnings on existing sidewalks, roadway striping improvements, signing upgrades along the corridor, milling and resurfacing of the existing asphalt in locations noted on the plans, and site restoration.

**W. 36<sup>th</sup> Avenue from West 76<sup>th</sup> Street to West 84<sup>th</sup> Street, CEI Services, Miami-Dade County, Florida – City of Hialeah; American Recovery & Reinvestment Act (ARRA)**

Principal in Charge of the reconstruction of West 36<sup>th</sup> Avenue, from West 76<sup>th</sup> Street to West 84<sup>th</sup> Street within the City of Hialeah. *Contractor: Horizon Contractors; Project Length: 0.5 miles.*

**NE 33<sup>rd</sup> Avenue Construction Management, Broward County, Florida – City of Fort Lauderdale**

Principal in Charge for the reconstruction and improvements of the NW 33<sup>rd</sup> Avenue Neighborhood, from NW 19<sup>th</sup> Street to NW 29<sup>th</sup> Street, which includes: main water line replacement, drainage improvements, lighting improvements and roadway rehabilitation.

**Pines Boulevard and I-75 Interchange, CEI Services LAP Project, Broward County, Florida – City of Pembroke Pines/FDOT District 4**

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

**NW 97<sup>th</sup> Avenue Water Main Construction Management, Miami-Dade County, Florida – City of Hialeah**

Project Manager for the construction management and inspection for the installation of a water main along NW 97<sup>th</sup> Avenue in the City of Hialeah.

**Annexation Area Inspection Services, Miami-Dade County, Florida – City of Hialeah**

Project Manager/Principal in Charge for construction management and inspection services for the installation of a new 36 inch water main and a new 24 inch force main for annexation area connection and gravity sanitary sewer for pump station No. 200 within the City of Hialeah.

JUAN H. VAZQUEZ, PE, PH, BCEE

QUALITY ASSURANCE/QUALITY CONTROL,

WATER/SEWER SYSTEMS; PUMP STATION, PERMITTING; STORMWATER/  
DRAINAGE, CANAL & LAKE DREDGING; PARKS, GRANTS**EDUCATION**

B.S. Civil Engineering, University of Puerto Rico, 1985

**YEARS OF EXPERIENCE**

35 Years

**YEARS WITH RJ BEHAR**

2000 - Present

**PROFESSIONAL REGISTRATIONS**

- P.E. Florida License No. 51143/1996
- P.E. Virginia License No. 0402 025604/1994
- P.E. Puerto Rico License No.11385/1989
- P.E. Michigan License No. 46482/1999
- Professional Hydrologist License No. 05-H-1653/2006
- Board Certified Environmental Engineer 07-20009/2007

**ENGINEERING EXPERIENCE**

Mr. Vazquez has years of civil engineering experience including the preparation of stormwater master plans, drainage studies, and street improvements. He has designed highways, interchanges, intersections (both urban and rural), prepared pavement designs, transportation studies, hydrologic-hydraulic (H-H) and scour studies, utility relocations, etc. He has managed several general engineering service contracts for the South Florida Water Management District and several municipalities. Mr. Vazquez is a Professional Hydrologist (PH) and a Board Certified Environmental Engineer (BCEE) specializing in water supply and wastewater. Mr. Vazquez is a member of the Drainage Subcommittee for the Florida Greenbook.

**RELEVANT EXPERIENCE****Lyons Park Neighborhood Improvement Project (NIP), Pompano Beach, Florida**

Principal in Charge: He is responsible for the schedule, public involvement, and managing the design team as well as subconsultants. The project included preparation of the Basis of Design Report and design for drainage, new sanitary sewer collection system and water services upgrades. It also included a public Information program with community workshops.

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

Project Manager for the preparation of the stormwater assessment program, as required by the Municipal Separate Storm Sewer System Permit that was issued June 30, 2016. This permit covers all areas located within the political boundary of the City of Hialeah that is served by the MS4 owned or operated by the City. The purpose of this assessment program is to provide information for the City of Hialeah to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.

**43-year Community Development Block Grant (CDBG) Improvements to NW 2<sup>nd</sup> Avenue from NW 4<sup>th</sup> Street to NW 5<sup>th</sup> Street, Broward County, Florida – City of Hallandale Beach**

Engineer of Record for the drainage design of City streets improvements.

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

Engineer of Record the design of a 10,000 gpm stormwater pump station with two injection wells using Flygt submersible pumps, and all the required appurtenances and details. He provided pump station hydraulic design, and specifications based on Miami-Dade Water and Sewer Department.

**Tressler Street Drainage Improvements, Miami-Dade County, Florida – City of North Miami**

Project Manager/QC Assurance for this project. The improvements included upgrading existing drainage infrastructure by installing exfiltration trenches, solid piping, installation of new catch basin structures with baffles, regrading of swale areas, replacement of existing hand built catch basins, swale retrofit, and other Best Management Practices (BMPs) along Tressler Street including pervious pavements for swale reconstruction.

**SR-700 Canal Bank Assessment - FDOT D4**

Project Manager for assessment of the condition of the L-10/L-12 canal bank along SR-700 from Canal Point to SR-80 and prepared an assessment report of the extent of the canal bank erosion. The recommendations included the closure of the shoulder in some segments, riprap repairs, repairs to the pavement and provided alternatives for a permanent repair/stabilization of the bank.



**North County Neighborhood Improvement Project – Broward County, Florida**

Engineer of Record for the drainage design. He supervised, managed and provided quality control reviews for the drainage design of Broward County's North County Neighborhood Improvement Project.

**Copans Road Wastewater Transmission System Design - City of Coconut Creek**

Principal-In-Charge/Engineer of Record. He designed and prepared the specifications for 7,190 ft of new 20-inch force main and rehabilitation of 4,420 ft existing 24-inch force main using trenchless technology (sliplining). This phase will include 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 NRWTP.

**Reclaimed Waterline Extension - City of Coconut Creek**

Engineer of Record. He designed and supervised the plans preparation for approximately 6,900 ft 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.

**Waterline Design along NE16th Ave, NE 146 St, and NE 18 Ave – City of North Miami**

Engineer of Record: He conducted quality control reviews of the water line plans, and specifications. The project includes approximately 3,255 ft of new 16-inch DIP water line.

**Miami Beach Convention Center Chiller Upgrade – Miami Beach, Florida**

Engineer of Record for the design of the Miami Beach Convention Center underground piping, the supply and discharge wells and the Police Station wells. R J Behar prepared all site plans and permit packages for the surplus and injection wells. This project is part of the City of Miami Beach Comprehensive Green Building and Energy Conservation Program. The project will shift inefficient chilled water operations at City Hall and the new Municipal Parking Garage chilled water systems to the modernized plant currently serving the Convention Center.

**Spanish River Athletic Facility (formerly Countess De Hoernle Park) – City of Boca Raton, Florida**

Task Manager. He provided structural engineering services to support design of the buildings and new signals. Task included conduct field reviews, data collection, review building ordinances, attend meetings with the City, conduct design analyses and computations for the project structural elements for each structure.

**Forzano Park Improvements – City of Miramar**

Project Manager and EOR for converting baseball fields to soccer and American football fields and other Improvements.

**Lakeshore and River Run Park Improvements – City of Miramar**

Project Manager and EOR for master planning and civil design of the improvements. Improvements included building modifications, additional parking, new lighting, grading and drainage and reconfiguration of existing parking, and park appurtenances such as benches, trash collectors, new fountains and playgrounds.

**Wilde Park – City of Hialeah, Florida**

Drainage Engineer for a park beautification project which included parking lots, paving, grading and drainage plans.

**Hickory Hammock Equestrian Facility, Highlands County, Florida – South Florida Water Management District (SFWMD)**

Engineer of Record for site design of, equestrian facilities, parking lot, and campground.

**I-75/Griffin Road Interchange, Broward County, Florida – Florida Department of Transportation (FDOT), District 4**

Engineer of Record for drainage for improvements to the interchange. The I-75 western ramps were realigned to converge at a new signalized intersection. His responsibilities included the quality control reviews of drainage design and permitting packages. He also prepared a technical Specification (TSP) for cleaning of inlets. Project length: 1 mile.

**Andrews Avenue, Broward County, Florida – FDOT, District 4**

Engineer of Record for the preparation of pond siting report and design of stormwater management system. He performed quality control of the design plan, drainage report and permitting packages. The project also included nutrient analysis for removal of phosphorous and nitrogen loads.

**SR-824 Pembroke Road and Hillcrest Golf Course Drainage Study, Broward County, Florida – FDOT, District 4**

Engineer of Record for a drainage study performed as part of a Districtwide Minors contract. The project entailed the connection of drainage from Pembroke Road to use lakes at the Hillcrest Golf Course for additional storage and drainage capacity. The project included a groundwater model to estimate the capacity of proposed lakes to dispose stormwater runoff.

**I-95/SW 10<sup>th</sup> Street Interchange Improvements, Florida, Palm Beach County, Florida – FDOT, District 4**

Drainage Engineer: He developed the Conceptual Drainage design and report for the preliminary design of interim improvements to the I-95 Interchange. He also worked on the Design-Build Criteria Package. The design included

widening of SW 10<sup>th</sup> Street to provide better turning operations within the Part Cloverleaf (PARCLO) A, modified interchange.

**Haverhill Road, Caribbean Boulevard to Beeline Highway, Palm Beach County, Florida – Palm Beach County Roadway Division**

Drainage Engineer who provided review of drainage elements. The project included the reconstruction of Haverhill Road from the existing two lane section to a minimum of two-lanes in each direction and a bi-directional turning lane.

**Design-Build for I-595 Final Design, Broward County, Florida – FDOT, District 4**

Task Manager responsible for the overall drainage master plan update and complete drainage design for the entire corridor, which includes exfiltration trenches, storm sewer design and analysis, cross drain analysis, and both wet and dry retention, and stormwater management designs for seven out of eight design zones. He was engineer of record for two of the eight segments. He also prepared the stormwater master plan for the winning proposal. Project length: 10.5 miles ±

**Design/Build for the Reconstruction of SE 3<sup>rd</sup> Street, Palm Beach County, Florida – FDOT, District 4**

Drainage Engineer. The scope included the reconstruction of SE 3<sup>rd</sup> Street between Martin Luther King, Jr. Boulevard and G Avenue project. He was responsible for designing the entire drainage system, with French drains, new outfall, control structures and prepared the drainage report and permitting packages. Project length: 0.3 miles

**SR-820/Hollywood Boulevard from SR-A1A to US-1 3R, Broward County, Florida – FDOT, District 4**

Engineer of Record for drainage design for a resurfacing, restoration & rehabilitation project with widening, which affected all existing drainage. He also managed a separate study to evaluate alternatives to alleviate flooding problems. The alternatives included pump stations with injection wells and new outfalls.

**NW 44<sup>th</sup> Street, Broward County, Florida – City of Lauderdale Lakes**

Engineer of Record for drainage and permitting.

**Krome Avenue, Bridge Hydraulic Report (BHR), Miami-Dade County, Florida – FDOT, District 6**

Engineer of Record for the preparation of a bridge hydraulic report for Krome Avenue over the Miami River.

**NW 87<sup>th</sup> Avenue (SR-973/Galloway Road) Miami-Dade County, Florida – FDOT, District 6**

Engineer of Record for drainage and preparation of the NW 87<sup>th</sup> Avenue Bridge Hydraulic Report. Project length: 1.90 miles

**NW 5<sup>th</sup> Street Bridge Replacement, Miami-Dade County, Florida – FDOT, District 6**

Task Manager/Drainage Engineer for drainage and preparation of the Bridge Hydraulic Report. This project included major utility coordination and large offsite areas discharging thru the project.

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

Drainage Engineer. The project consisted of reconstruction of a four lane divided highway, construction of a bridge, weir and walkway. He was responsible for the drainage and permitting of the project. He also provided review of weir design and canal hydraulics using the HEC-RAS model. Project length: 0.349 miles/bridge.

**Riverview Pump Station New Generator, Fire Suppression and Main Switch Disconnect, City of Miami, Florida**

Project Manager and Engineer of Record for civil and structural design to provide engineering services for the replacement of the Riverview Pump Station Emergency Generator and pumps interconnection in the City of Miami. The pump station is part of the city's stormwater system. The project also includes a subconsultant design of a new Fire Suppressant System and Main Switch Disconnect for the Pump Station.

**Neighborhood Improvement Projects, La Gorce, West Avenue and Nautilus – City of Miami Beach, Florida**

Engineer of Record for the design of the drainage improvements for three City neighborhoods. He supervised the hydraulic analysis for the improvements and performed design of three stormwater pump stations with pressurized injection wells.

**Area West of US-1, Drainage Design and Federal Emergency Management Agency (FEMA) Mitigation Pump Station – City of Hallandale Beach, Florida**

Project Manager for the neighborhood improvements and designed a stormwater pump station.

**Palm Avenue, Miami-Dade County, Florida – City of Hialeah**

Engineer of Record for drainage design. He completed permitting, quality control reviews and prepared specifications including specialty items such as street clocks.

**SR-A1A Resurfacing Project, Palm Beach County, Florida – FDOT, District 4**

Project Manager for roadway improvements along A1A from Boynton Inlet Bridge to Lake Worth Road. He was in charge of the public information and outreach program. The project included a major drainage study and improvements, milling and resurfacing, signals, bridge improvements and signing and marking plans. This project included coordination with endangered species and seagrass surveys, preservation of historical properties (two properties), coordination of impacts

to 4f (Boynton Inlet park) properties. A coastal construction line permit was also obtained as well as coordination with the Fish and Wildlife Commission for impacts to sea turtles from the proposed lighting design. He prepared maintenance of traffic plans. Project length: 5 miles.

**SR-80 Southern Boulevard from the Turnpike to West of Haverhill Road, Palm Beach County, Florida – FDOT, District 4**

Drainage Engineer. He performed the preliminary analysis of the stormwater management system for the development of Right-of Way requirements for the project. The project included 8 independent basins and outfalls to the C-51 canal.

**SR-845/Powerline Road 3R, Palm Beach County, Florida – FDOT, District 4**

Drainage Manager in charge of the 3R rehabilitation project. He was in charge of the public information and outreach program. The project includes major culvert replacement, milling and resurfacing, 8 signals, bridge improvements and signing and marking plans. Prepared maintenance of traffic plans.

**Griffin Road and State Road 7, Broward County, Florida – FDOT, District 4**

Drainage Engineer: He prepared the MOT and drainage design concept Phase 1 report for SR 7 and prepared the drainage modifications to the Griffin Road section. Completed the drainage for SR 7 and permitting with the South Florida Water Management District (SFWMD), Broward County DNRP and US Army Corps of Engineers. Also completed plans for the relocation of a water main for Broward County Office of Environmental Services.

**Federal Emergency Management Agency (FEMA) Financial Assistance – South Florida Water Management District (SFWMD)**

Project Manager for financial assistance services to the District for Federal Emergency Management Agency (FEMA) funded flood control projects.

**Cypress Weir 1 (Gold4A) Relocation Design - South Florida Water Management District (SFWMD)**

Project Manager and Quality Control reviewer for civil, drainage, mechanical, and hydraulics for the construction of a new, locally and remotely operated, water control structure in the new alignment of the Cypress Canal. The new structure will include three new slide/weir gates, a three-cell box culvert to be used as a bridge, new stilling wells, a 10 ft x 10 ft control room, communications and miscellaneous appurtenances. He supervised the complete team that included mechanical, electrical, structural, hydraulics and civil design, as well as specifications, cost estimating, operations manual and preparation of construction schedules.

**C-4 Canal Bank Improvements Palmetto Phase 2 CMS Inspection Services, Miami-Dade County, Florida – South Florida Water Management District**

Principal-In-Charge and Special Inspector: He coordinated staff, and performed contract management. The C-4 project included the construction of approximately 2,545 linear feet of earthen (flood protection) berm on the north bank of the C-4 Canal between SW 87th Avenue and SW 82nd Avenue.

**Pump Station S-13 Repower and Automation – South Florida Water Management District**

Principal-In-Charge/Task Manager/Special Inspector - He coordinated staff and performed contract management. Pump Station S-13 is an existing 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 for the rehabilitation of the station.

**S-151 Structure Replacement CMS, Broward County, Florida – South Florida Water Management District (SFWMD)**

Principal-In-Charge. He coordinated staff and performed contract management. This project consists of the removal of six 7' x 98' corrugated metal pipes, along with the existing wood deck structure, existing gates, fencing, stilling wells, staff gauges, rain gauge, etc.; construction of 4 cast in place concrete 8' wide by 8' high by 36' long box culverts with wing walls, stop log recesses, remote controlled stainless steel gates, stilling wells, relocation of existing staff gauges, concrete platforms, LP tank, fencing, gates, new precast control building for system controls and generator..



**PAOLA RIVEROS, PE**  
**ROADWAY, STREETScape, SIDEWALKS, BIKE LANES, PARKING LOT;  
 PAVEMENT EVALUATION & REPAIRS, SIGNING AND MARKING/  
 WAYFINDING SIGNAGE; PARKS FACILITIES, LIGHTING**

**EDUCATION**

B.S. Civil Engineering, Florida International University; Miami, Florida, 2001

**YEARS OF EXPERIENCE**

19 Years

**YEARS WITH RJ BEHAR**

2001 - Present

**PROFESSIONAL REGISTRATIONS**

- P.E. Florida License No. 74249/2012
- P.E. Washington, DC No. 905769/2010

**ENGINEERING EXPERIENCE**

Ms. Riveros has been responsible for the preparation of roadway plans, drainage plans and site plans throughout South Florida. She has assisted in drainage design of stormwater management projects as well as roadway design. She has also performed construction cost estimates for improvements that included street construction, buildings construction, and landscaping projects. Ms. Riveros is well-versed in the use of AdICPR, ASAD, and HEC-RAS for stormwater and hydraulics design and of Geopack software for roadway design and electronic delivery of FDOT plans. Her responsibilities have included the preparation of drawings in MicroStation and AutoCAD for civil and roadway projects. At RJ Behar, Ms. Riveros is responsible for support in drainage and permitting projects. She has drafted and performed revisions to site, utility, drainage, and landscaped plans. She was recipient of the Governor's Project Team Award for her participation as Project Manager on the I-95 PD&E study from Stirling Rd to Oakland Park Boulevard.

**RELEVANT EXPERIENCE**

**SW 136<sup>th</sup> Street from US-1 to Old Cutler Road Lap Project, Miami-Dade County, Florida – Village of Palmetto Bay/ Florida Department of Transportation (FDOT), District 6**

Project Engineer: She was responsible for designing the roadway plans, pavement marking and signing plans, utility coordination, drainage design and, permitting. The improvements will require milling and resurfacing the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project was accommodating the proposed sidewalks and bicycle lanes in a right of way constrained corridor. *Length: 1.92 miles*

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

Project Engineer for the preparation of the 3D models for development of street profiles.

**I-95 at 6<sup>th</sup> Avenue Interchange Design, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4**

Project Manager responsible for the interchange improvements, which includes a Level IV CAP, six typical sections, pavement design, access management, TCP plans, temporary lighting on all ramps, drainage, utility coordination, Environmental Permits, signing and marking plans, signalization and complete management of all subconsultants. The project also includes milling and resurfacing, adding bike lanes, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure.

**SR-25/Okeechobee Road at NW 95<sup>th</sup> Street, Miami-Dade County, Florida – FDOT, District 6**

Project Engineer: The scope of work included milling and resurfacing, intersection island modifications and removals, upgrading pedestrian facilities to comply with ADA requirements, guardrail upgrades, signalization improvements, new signing and pavement markings and bridge railing upgrades. The project scope also included the addition of paved shoulders along both sides and culvert relocation at Frontage Road.

**SR-A1A Resurfacing Project, Palm Beach County, Florida – FDOT, District 4**

Project Designer for this RRR project from the Boynton Inlet Bridge to SR-802. The project included milling and resurfacing for 4 miles and reconstruction of 1 mile of a major rural roadway, as well as drainage improvements, coastal drainage studies, pavement marking and signing, overhead signing plans, lighting plans, three signal locations, bridge plans, wetland mitigation, public involvement, design documentation and landscape plans. She prepared all the roadway plans and performed the AdICPR drainage modeling of existing and proposed conditions.

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

Project Engineer: She is responsible for assisting with the roadway design, drainage design, signing and pavement markings, signalization, lighting, wetland assessment, and utility coordination. NE 151<sup>st</sup> Street is an off-system roadway bound by the Florida Greenbook, for its design criteria. Drainage design includes a series of interconnected French drains



with drainage wells.

**NW 102<sup>nd</sup> Avenue from NW 138<sup>th</sup> Street to NW 142<sup>nd</sup> Street, Miami-Dade County, Florida – City of Hialeah**

Project Manager: She was responsible for the roadway reconstruction, one signal modification, a new drainage system, lighting, utility coordination, signing and pavement marking, and permitting.

**Traffic Circle at SW 32<sup>nd</sup> Avenue and SW 2<sup>nd</sup> Street, Miami-Dade County, Florida – City of Miami**

Project Manager: She was responsible for the design of a traffic circle, which includes signing and pavement marking, utility coordination, drainage, and permitting.

**SW 32<sup>nd</sup> Avenue from Flagler Street to SW 2<sup>nd</sup> Street, Miami-Dade County, Florida – City of Miami**

Project Manager: Engineering services include milling and resurfacing, localized drainage improvements, ADA upgrades, utility coordination, permitting, signing and pavement marking.

**SW 35<sup>th</sup> Avenue from SW 29<sup>th</sup> Street to SW 28<sup>th</sup> Street, Miami-Dade County, Florida – City of Miami**

Project Manager: Engineering services include milling and resurfacing, localized drainage improvements, ADA upgrades, utility coordination, permitting, signing and pavement marking.

**Hilola Street Improvements, Miami-Dade County, Florida – City of Miami**

Project Manager: Engineering services included milling and resurfacing, localized drainage improvements, ADA upgrades, utility coordination, permitting, signing and pavement marking.

**Andrews Avenue, Broward County, Florida – FDOT, District 4**

Project Engineer for the preparation of the pond siting report and design of the stormwater management system. She also performed the nutrient analysis for removal of phosphorous and nitrogen loads.

**SR-5/US-1 Resurfacing, Palm Beach County, Florida – FDOT, District 4**

Project Engineer for the milling and resurfacing the existing pavement; upgrade to signal systems, upgrade of ADA facilities. The scope also included new signing and pavement markings and upgrading landscaping.

**SR-845/Powerline Road Roadway Improvements, Palm Beach County, Florida – FDOT, District 4**

Project Engineer in charge of the project's design. The project included milling and resurfacing of 3 miles of a major collector, 8 signal upgrades, safety improvements and miscellaneous drainage improvements.

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

Project Engineer responsible for the roadway and stormsewer design to accommodate the 10-lane section widening of Florida Turnpike over SR 710. She was responsible for typical sections, horizontal and vertical geometry, cross sections and design of the stormsewer collection.

**I-595 Mobility Hub Park and Ride, Broward County, FL - FDOT, District 4**

Project Manager: She was responsible for project management, parking lot design, drainage design, and signing and pavement markings. The scope of work included modifying the mobility hub to increase and maximize the number of parking slots, review the Reese Road connection to improve access control, and improve circulation. These improvements will require modifications to the existing drainage, lighting, signing and pavement markings, and landscaping. She was also responsible for the preparation of a Community Awareness Plan, preparing Flyers, and attending a public meeting. The site design included preparing a master plan of the proposed improvements for review and approval by FDOT. Once the master plan was approved, the design included geometric design, quantities, specifications, cost estimates, drainage design and drainage plans, signing and marking design and plans, lighting design and plans, utility coordination, and preparing the required permit modifications.

**Design-Build I-595 Final Design, Broward County, Florida – FDOT, District 4**

Project Engineer involved with the drainage design for several sections of the corridor. Design tasks included exfiltration trench design, storm sewer design and analysis, and both wet and dry retention/detention stormwater management pond designs. She was involved in the drainage design of two segments of the Turnpike roadway. Also performed plan modifications after RFC plans were issued and directed the plans preparation with other designers and technicians. The design involved the use of spreadsheets, AdCPR, ASAD and Microstation. **Project length:** 10.5 miles

**US-1/Federal Highway, Broward County, Florida – FDOT, District 4**

Project Designer: The RRR project went from the County Line to Hallandale Beach Boulevard. This project included the design of 0.8 miles of a six-lane urban divided highway as well as minor drainage Improvements.

**NW/NE 13<sup>th</sup> Street, Broward County, Florida – City of Fort Lauderdale**

Project Engineer: She was responsible for the master plan for a 2.1-mile roadway. The project included resurfacing plans, marking and signing plans, and landscape plans.

**W. 77<sup>th</sup> Street, Miami-Dade County, Florida – City of Hialeah**

Project Engineer for the preparation of roadway reconstruction plans and drainage plans.

**ELMER CARDENAS, PE, CEI**  
**WATER/SEWER SYSTEMS; PUMP STATION, PERMITTING;**  
**STORMWATER/DRAINAGE, INSPECTIONS, WATER/WASTEWATER,**  
**STORMWATER SYSTEMS, CANAL & LAKE DREDGING**

**EDUCATION**

M.S. Environmental Engineering, Florida International University, 2001  
 B.S. Civil Engineering, National University of Engineering, Lima, Peru, 1984

**YEARS OF EXPERIENCE**

31 Years

**YEARS WITH RJ BEHAR**

2014 – Present / 2001 - 2004

**PROFESSIONAL REGISTRATIONS**

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

**ENGINEERING EXPERIENCE**

Mr. Cardenas has numerous years of engineering experience. He is responsible for the design and plans preparation for civil engineering and water resource projects. He has extensive experience in environmental engineering and utility projects and has designed and supervised construction of water distribution systems and drinking wells. He has experience with the use of Environmental models: SWMM (stormwater management model), and HSSM (hydrocarbon spill screening model) and hydraulic models AdICPR, ASAD and HEC-RAS. Mr. Cardenas is a Certified Environmental Inspector and has prepared numerous environmental site assessments.

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

Project Engineer for the preparation of the Basis of Design Report (BODR), sanitary sewer design of the wastewater collection system and schematic design of proposed water improvements. The purpose of the project is to improve the drainage system, replace sanitary sewer lines, replace the water service lines to meet the newer city standards. Services include data collection, utility coordination, permitting, and cost estimating.

**West Avenue Neighborhood Improvements, Miami-Dade County, Florida – City of Miami Beach**

Project Engineer: He provided field reviews for development of the scope of the improvements. The proposed project involved the design and construction of the neighborhood improvements. Services included water and sewer upgrades.

**La Gorce Neighborhood Improvements Project, Miami-Dade County, Florida – City of Miami Beach**

Project Engineer: He performed hydraulic computations and assisted with preparation of the Basis of Design Report (BODR). The scope of the project included the preparation of the stormwater management design for neighborhood improvement programs, repaving and stripping, streetscape, drainage improvements and water and sewer improvements. The proposed design followed the citywide stormwater master plan for guidance and included the design of injection well systems as well as improvements to the drainage collection systems. Several stormwater pump stations were designed and provided the mechanical and structural design.

**SR 907/Alton Road Roadway Improvements, Miami-Dade County, Florida – FDOT, District 6**

He prepared the plans for stormwater pump stations and pressurized injection wells as part of the 3R rehabilitation of Alton Road in the City of Miami Beach. Modeling with AdICPR of the pump systems.

**Gilbert Samson Ocean Front Park, Miami-Dade County, Florida – City of Sunny Isles Beach**

Project Engineer for the design of the sanitary lift station. Scope of services included the design and permitting of the proposed sewer line and grinder pump on the property, in conjunction with managing all the design aspects of the project. RJ Behar is also responsible for the site geometry, grading, and drainage design. *Project Length: 2.09 Acres*

**Lift Station 107 Rehabilitation, Broward County, Florida – City of Sunrise**

Project Engineer for the preparation of the site plans and civil design of the project. The project involved rehabilitating the existing lift station, converting the existing wet pit/dry pit design to a submersible pump configuration and partially filling the existing dry well, converting it to a valve vault.

**Tressler Street Drainage Improvements, Miami-Dade County, Florida – City of North Miami**

Engineer of Record for this project. The improvements included upgrading existing drainage infrastructure by installing exfiltration trenches, solid piping, installation of new catch basin structures with baffles, regrading of swale areas, replacement of existing hand built catch basins, swale retrofit, and other Best Management Practices (BMPs) along Tressler Street including pervious pavements for swale reconstruction. He was responsible for preparing permit applications and obtaining the permits.



**US-1 Lateral Ditch Restoration, Indian River County, Florida – Florida Department of Transportation (FDOT), District 4**

Project Engineer: He assisted with the preparation of the permit packages environmental resource permitting and for the wetland impacts. This project included the rehabilitation of 12 outfall ditches in Indian River County. The ditches provide runoff discharge for US-1 and adjacent areas. The purpose of this project was to analyze the existing drainage conditions and re-establish or improve the original design section for each ditch with the goal of restoring adequate drainage along US-1.

**Area West of US-1 Drainage Study, Broward County, Florida – City of Hallandale Beach**

Project Engineer: He performed hydraulic analysis of the 14<sup>th</sup> Avenue canal using the HEC-RAS computer model.

**SW 136<sup>th</sup> Street from US-1 to Old Cutler Road LAP Project, Miami-Dade County, Florida – Village of Palmetto Bay/ FDOT, District 6**

Project Engineer responsible for assisting with the drainage design and permitting for this project. The improvements will require milling and resurfacing the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project was accommodating the proposed sidewalks and bicycle lanes in a right of way constrained corridor. *Project Length: 1.92 miles*

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

Project Engineer. The drainage design for the project includes a series of interconnected French drains with drainage wells. The design was especially challenging because of the presence of contamination in several parts of the project. The project is permitted with the South Florida Water Management District, the Miami Dade Department of Environmental Protection (DERM) and the United States Army Corps of Engineers (USACOE). *Project Length: 0.876 miles*

**NW 102<sup>nd</sup> Avenue from NW 142<sup>nd</sup> Street to NW 145<sup>th</sup> Place, Miami-Dade County, Florida – City of Hialeah**

Project Engineer for the drainage report and permitting. He was responsible for drainage design and preparing all the permit applications and obtaining the permits.

**NW 102 Avenue from NW 138 St to NW 142 St, Miami-Dade County, Florida – City of Hialeah**

Project Engineer for drainage and permitting. He was responsible for drainage design and preparing all the permit applications and obtaining the permits.

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

Project Engineer responsible for the drainage design, which includes modifying the existing infield ponds north of SR 710 to accommodate the 10-lane section impervious area; south of SR 710 culverting a borrow canal west of the Turnpike and directing runoff to the Winding Waters Natural Area for treatment and attenuation per the Interlocal Agreement with Palm Beach County. He also performed HEC-RAS modeling of the canal system along the Turnpike.

**SR-997/Krome Avenue from SW 312<sup>th</sup> Street to SW 296<sup>th</sup> Street 3R, Miami-Dade County, Florida – FDOT, District 6**

Project Engineer/Engineer of Record for the drainage design. The scope included milling and resurfacing the entire corridor plus widening from 19<sup>th</sup> Street to 296<sup>th</sup> Street to create a standard 5-Lane undivided urban typical section with concrete sidewalks on each side. Services include replacing of slab covered trenches with French drains, checking spread and replacing non-standard inlets.

**CR-712/Midway Road from west of 25<sup>th</sup> Street (CR 615) to east of US-1/SR-5, St. Lucie County, Florida – FDOT, District 4**

Project Engineer: He worked on the drainage design revisions for final plans, updated the AdICPR models for 5 ponds, and designed culverting of Merritt's Ditch and several outfalls. *Project Length: 2 miles ±*

**Palm Avenue Phase II, Miami-Dade County, Florida – City of Hialeah**

He prepared of drainage design, report and Environmental Resource Permit (ERP) application.

**Hallandale Beach Boulevard, Broward County, Florida – FDOT, District 4**

Project Engineer: He performed hydraulic and hydrology calculations and prepared the drainage report for the drainage design, including French Drain design to provide water quality.

**Fort Lauderdale-Hollywood International Airport Expansion of Runaway 9R-27L, Broward County, Florida – Broward County Aviation Department**

Engineer in Charge of proposal of drainage design for the design build project that includes 8 dry ponds, lateral ditches and the analysis of temporary drainage for four phases of MOT.

**Stormwater Master Plan Don Shula Expressway SR 874, Miami-Dade County, Florida – Miami-Dade Expressway**

Project Engineer – Data collection and preparation of drainage maps for the master drainage system.

**Stormwater Master Plan – Dolphin Expressway SR 836**

Project Engineer – He provided quality control review of the SR 836 expansion program stormwater master plan.

**JASMANI RIVERON, PE****ROADWAY, STREETScape, SIDEWALKS, BIKE LANES, PARKING LOT,  
PAVEMENT EVALUATION & REPAIRS, SIGNING & MARKING/  
WAYFINDING SIGNAGE****EDUCATION**

M.S. Structural Engineering, Florida International University, College of Engineering, Miami, 2009  
B.S. Civil Engineering, Florida International University, Miami, Florida, August 2008

**YEARS OF EXPERIENCE**

10 Years

**YEARS WITH RJ BEHAR**

2010 – Present

**PROFESSIONAL REGISTRATIONS**

P.E. Florida License No. 73798, 2011

**ENGINEERING EXPERIENCE**

Mr. Riveron has experience in civil engineering, permitting, budgeting and construction management. He has been Project Engineer responsible for roadway, signing and marking, utility coordination, traffic control plans, drainage plans and permitting for roadway projects. He has worked on a 10 story commercial office building, applying for gold LEED certification, oversaw the completion of the project within budget and without scheduling constraints and coordinated the activities of the construction team, architects, engineers and vendors. He has assisted in scheduling and obtaining bids for numerous construction projects, obtained permits and legal documents for various developments.

**RELEVANT EXPERIENCE****Pompano Beach Mobility Sidewalks, Broward County, Florida – Florida Department of Transportation (FDOT), District 4**

Project Manager responsible for preparing roadway, signing and marking plans, and specifications. The scope of this project consists of providing pedestrian sidewalk connectivity along 3 local roads within the City of Pompano Beach. The services include regrading grass swales and minor drainage modifications.

**CR-512 from W. of Limit of FM 413049-2-52-01 to 108<sup>th</sup> Avenue, Indian River County, Florida – FDOT, District 4**

Project Engineer responsible for preparing signing and marking plans. The scope of this project includes realigning travel lanes on CR-512 to eliminate traffic from being forced into a ramp only lane west of the 108<sup>th</sup> Ave. intersection. Additionally, includes eliminating a merge condition on CR-512 immediately following the I-95 SB off ramp. Services include signing and marking modifications.

**SR-76/SR-614/SR-5 Green-Colored Bicycle Lane Retrofit, Martin and St. Lucie County, Florida – FDOT, District 4**

Project Engineer responsible for preparing signing and marking plans. The scope of this project includes evaluating 34 locations for placement of green-colored bicycle pavement markings at conflict areas. Services include signing and marking modifications.

**Florida Mango Road over PBC L-2 Canal Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Manager/Engineer of Record for replacement of the Florida Mango Bridge over the L-2 Canal. He was also responsible for the design of the utilities (Water and force main) affected by the bridge replacement.

**Drexel Road Bridge Replacement, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer responsible for roadway and drainage design plans, signing and pavement markings, signal modifications, Temporary Traffic Control Plans (TTCP), and utility coordination.

**Summit Boulevard over LWDD E-3 Canal Slope Stabilization, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer responsible for the production of roadway plans, permitting, and utility coordination.

**Haverhill Road from Caribbean Boulevard to SR-710 Widening, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer responsible for roadway design, permitting, signing and pavement markings, signal modifications, Temporary Traffic Control Plans (TTCP), and utility coordination.

**Jog Road Slope Stabilization, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer responsible for roadway design, permitting, utility coordination. Services include drainage analysis, structures, cost estimates and post design services.



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

Project Engineer responsible for preparing roadway plans. The scope of this project consists of the widening of SR-710 to accommodate the Turnpike Bridge widening that crosses over SR-710. In order to relocate the columns while maintaining traffic on the Turnpike, the turnpike bridge and both approaches will be widening to a six-lane section. The services include drainage modifications, structures (retaining walls), and signalization analysis.

**SR-A1A Bridge/Carlin Park Rehabilitation/Replacement, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer responsible for roadway, signing and marking, drainage plans and permitting for the project. RJ Behar developed the design for the new bridge replacement with a new bridge similar to the existing bridge (span = 15') with similar substructure consisting of piles and sheeting. The design will include design of wing walls for each quadrant, preferably adjacent to the back of sidewalk in order to reduce construction impacts within the sensitive coastal environment. The roadway design will include the necessary approach modification to the new bridge.

**Kirk Road Bridge over LWWD L-9 Canal, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer responsible for roadway, signing and marking, drainage plans and permitting for the project. The project will include replacement of the existing bridge with the installation of 80' of a 12' x 4.5" box culvert and canal revetment at both ends. The proposed drainage will continue to use the existing outfall's pipe sizes.

**Northlake Boulevard Water and Sewer, Palm Beach County, Florida – City of West Palm Beach/Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer responsible for preparing the water and sewer plans for the City of West Palm Beach. As part of the project, RJ Behar designed the relocation of 1,310 feet of 20 inch water main and 1,299 feet of 16 inch force main. The new water main and force main will be relocated on the new bridge. RJ Behar prepared all the details and structural design to accommodate the new utilities on the bridge.

**Northlake Boulevard Bridge over the Loxahatchee Slough, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Engineer: He performed utility coordination, quantities and plans preparation. The scope of the project consisted of construction of a new bridge over the Loxahatchee Slough. The project partially meets some of the goals of the Comprehensive Everglades Restoration Project. Services included bridge design, drainage design, roadway improvements, permitting.

**SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4**

Project Engineer: He attended project meetings and performed post design services for the project. The project consisted of the resurfacing of 3 miles. This project involved preparing the Resurface, Restoration and Rehabilitation (RRR) Report. The project included a safety analysis and a signal assessment analysis. He attended project meetings and performed post design services for the project.

**Reconstruction of SE 3<sup>rd</sup> Street, Palm Beach County, Florida – FDOT, District 4**

Project Engineer: He was responsible for the production of roadway plans, utility coordination, signing and pavement marking plans as well as quantities. The scope of this project included roadway plans, drainage design, signing and marking plans and utility relocation plans. The design included the use of filter fabric and a thick sub-base in lieu of demucking the roadway. The project also included water and sewer plans to be constructed as part of the roadway improvements.

**I-75/Griffin Road Interchange, Broward County, Florida – FDOT, District 4**

Project Engineer: He was responsible for plans preparation, utility coordination, pavement design and quantities. The scope of the project included roadway improvements, drainage, permitting, bridge, structural, signing and pavement markings, signalization, lighting, landscaping and traffic analysis.

**SR-A1A/Ocean Avenue, Martin County, Florida – FDOT, District 4**

Project Engineer who prepared the maintenance of traffic plans. The project scope included signal improvement design, construction maintenance of traffic, lighting design and plans preparation.

**SR-60/20<sup>th</sup> Street RRR from West of 66<sup>th</sup> Avenue to 58<sup>th</sup> Avenue, Indian River County, Florida – FDOT, District 4**

Project Engineer: He was responsible for the maintenance of traffic plans and utility coordination. The scope of this project consists of engineering design services for the Resurfacing Restoration and Rehabilitation of SR-60; scope included utility coordination, lighting and signal plans.

JERRY PICCOLO, PE

MAJOR BRIDGES/SEAWALLS/STRUCTURES

**EDUCATION**

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

**YEARS OF EXPERIENCE**

44 Years

**YEARS WITH RJ BEHAR**

2000 – Present

**PROFESSIONAL REGISTRATIONS**

PE Florida License No. 22979, 8/20/1980

Certified Bridge Inspector – Bridge Inspectors Training Program, FDOT &amp; USF, 1982

**ENGINEERING EXPERIENCE**

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

**RELEVANT EXPERIENCE****Hatton Highway Bridge Replacement over the Pahokee Water Control District's Canal NO. 2, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works, Division of Roadway Production**

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

**Seawall Design at Tobie Wilson Park, Miami-Dade County, Florida – Town of Medley**

Senior Structural Engineer/QC – Structural analysis and design, plans preparation and permitting. The scope of work will include design of approximately 850 feet of a new bulkhead wall located along the south bank of the Miami Canal.

**ERCAR Reports, Indian River, St. Lucie & Osceola Counties, Florida – Florida's Turnpike Enterprise**

Structural Engineer in charge of field inspections and report preparation for four Existing Roadway Condition and Assessment Reports (ERCARs). The projects included 22 bridges, 22 box culverts, 7 farm crossings and 12 overhead sign structures. The reports described the condition of each structure and recommended the proposed scope of work for four Turnpike resurfacing projects.

**Structural Annual Contract, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works, Division of Roadway Production**

Structural Engineer in charge of design and plans review. The County has assigned us to review 48 sets of bridge plans (including two bascule bridge rehabilitations and one new bascule bridge), design five bridges, evaluate two bridge construction claims, inspect three damaged mastarm structures and design four projects for the Facilities Management Department.

**SR 25/Okeechobee Road from W. 7<sup>th</sup> Avenue to NW 36<sup>th</sup> Street, Miami-Dade County, Florida – FDOT, District 6**

Structural Engineer: He was in charge of the mast arm design.

**R.J. Behar**

**Biscayne Boulevard from 196<sup>th</sup> Street to 213<sup>th</sup> Street, Miami-Dade County, Florida – FDOT, District 6**

Structural Engineer in charge of design and post design services. The project included five mastarm intersections, and foundations for ground mounted pedestrian signals and flashing lights.

**SR-243 Pecan Park Road, Duval County, Florida – FDOT, District 2**

Structural Engineer in charge of design and post design services. The project included one new bridge; two tied back (Schnabel type) retaining walls, two strain pole intersections, four mastarm intersections, three bridge mounted sign structures and eight overhead sign structures.

**Hidden Acres Estates Feasibility Study – South Florida Water Management District (SFWMD)**

Structural Engineer who performed the structural evaluation of the feasibility to raise 17 mobile homes and attachments above projected flood levels. The project was part of the Kissimmee River restoration project.

**SR-850/Northlake Boulevard over the Loxahatchee Slough, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Structural Engineer in charge of design and construction services. The project consisted of one new bridge, four MSE walls, one elevated walkway with handrails and one gated weir/bridge.

**I-95 Bridge Widening, Palm Beach County, Florida – FDOT, District 4**

Structural engineer in charge of design and post design services. The project included 2 bridge widenings (Donald Ross Road and C-18 Canal), 2 anchored abutment walls, 1 noise wall, 3 mastarm intersections, 8 overhead sign structures, 2 bridge mounted sign structures and 5 high mast light pole foundations.

**I-595 Highway Improvements, Broward County, Florida – FDOT, District 4**

Structural Engineer who provided design calculations for the overhead sign trusses.

**SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4**

Structural Engineer in charge of design and post design services. The project included one bridge widening, seven mastarm intersections, two overhead sign structures and a 72" corrugated metal pipe rehabilitation.

**SR-806/Atlantic Avenue, Palm Beach County, Florida – FDOT, District 4**

Structural Engineer in charge of design and post design services. The project included seven mastarm intersections and one steel strain pole intersection.

**SR-816/Oakland Park Boulevard Bridge over the C-13 Canal, Broward County, Florida – FDOT District 4**

Structural Engineer in charge of design and post design services. The project included one bridge widening, two mastarm intersections, two overhead sign structures, one retaining wall and one special gravity wall.

**SR-A1A Bridge Over Boynton Inlet Bridge Rehabilitation, Palm Beach County, Florida – FDOT District 4**

Structural Design Engineer who prepared plans for replacement of the concrete rails, guardrail attachments, sealing, repairing of joints and also prepared plans for construction of eight new outfalls connecting to an existing seawall. The scope included the design plans for milling and resurfacing (RRR) for five miles of a major rural roadway, including drainage studies, drainage design, pavement marking and signing plans, signal plans, bridge plans, public involvement, lighting and landscape plans.

**S-5A Intake Service Bridge Repairs, Palm Beach County, Florida – South Florida Water Management District**

Structural Engineer who designed the removal of galvanizing steel bridge beams, replacing steel bridge grating, replacing the concrete superstructure, replacing pump bell support rods, replacing the handrail, repairing the bar screen connections, repairing scour wear in the floor at pump bells, cleaning and painting the pump bells, modifying the steel curb on the bridge, installing the removable guardrail on bridge, and bridge expansion joint seals. He also performed the engineering during construction services.

**I-95 Bridge Repairs from Miami-Dade County Line to Griffin Road, Broward County, Florida – FDOT, District 4**

Structural Engineer: This project for FDOT included the repair and upgrade of 16 bridges along I-95. The expansion joint seals at each bridge were replaced. The adjacent headers and steel armor angles were repaired as necessary. The project also included structural pile jackets, spall repairs, riprap repairs and class V finish. During construction we reviewed shop drawings, responded to RFI's and assisted the CEI in making field decisions regarding the header repairs.

**Lighthouse Drive Bridge Over Grand Canal, Broward County Florida – Lighthouse Point**

Structural Engineer who performed structural design, peer review of design calculations, plans, and quantities, and provided design calculations for deck slab and bulkhead walls for this project. Scope of services included services during construction.

**Golden Isles Bridge Improvements, Broward County, Florida – City of Hallandale Beach**

Senior Structural Engineer: The scope of the project included complete structural inspection of seven existing bridges, structural design for replacement of parapets and evaluation for the addition of sidewalks and preparation of plans for the improvements.

**JOSE PEÑA RAMOS, MS, PE**  
**MAJOR BRIDGES/SEAWALLS/STRUCTURE**  
**THRESHOLD INSPECTIONS; CONSTRUCTION COST ESTIMATING**

**EDUCATION:**

M.S. Structural Engineering, Polytechnic University of Puerto Rico, 2012  
 B.S. Civil Engineering, Polytechnic University of Puerto Rico, 1993

**YEARS OF EXPERIENCE**

25 Years

**YEARS WITH RJ BEHAR**

2019 - Present

**PROFESSIONAL REGISTRATIONS**

- P.E. Florida License 67863, 2008
- P.E. Puerto Rico License 15747, 2005

**CERTIFICATIONS**

- Certified FHWA Bridge Safety Inspector
- Certified HUD REAC QA Inspector

**ENGINEERING EXPERIENCE**

Mr. Peña Ramos performs structural engineering calculations and reviews structural plans. His experience includes having worked for the United States Department of Urban Development, United States Coast Guard, United States Army Corps of Engineers (USACOE), Federal Highway Administration (FHWA) and as a consultant all within Florida and Puerto Rico. He has performed project engineering and structural design and support required for the preparation of plans and specifications for civil works projects including bridges, culverts, pump stations, spillways, retaining walls, and ancillary buildings. His project engineering functions have included preparing project schedules and budgets, establishing design criteria, interdisciplinary coordination, internal and external technical review, establishing bid solicitation evaluation criteria, contractor bid evaluation, value engineering, and presenting technical review briefings. He led the USACOE Jacksonville's District National Bridge Inspection Program.

**RELEVANT EXPERIENCE****Materials Storage Facility at Water Treatment Plant, Palm Beach County, Florida – Village of Palm Springs**

Structural Engineer of Record: He was responsible for preparing the design for construction plans of a cast in place structure to serve as a material storage facility within the property of the Village of Palm Springs Main Water Plant.

**Mast Arm Replacement Weston Road & Emerald Estates Drive, Broward County, Florida – City of Weston**

Structural Engineer of Record: He was responsible for preparing the design for construction plans for a Mast Arm Replacement.

**SR 845/Powerline Road at NW 59<sup>th</sup> Court Intersection, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4**

Structural Engineer of Record in charge of preparing the design for construction plans for the special foundation for the mast-arm, a multi-post and light pole foundations.

**Florida Mango Road over PBC L-2 Canal Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Structural Engineer who provided quality control reviews of structural calculations of a culvert end walls design and plans.

**Lakeside Community Hurricane Damage Repair, Miami-Dade County, Florida – Town of Medley**

Structural Engineer who provided Quality Control Review of structural calculations for design of repairs to damaged seawalls due to Hurricane Irma.

**SR 997/Krome Avenue from SW 312<sup>th</sup> Street/Campbell Drive to SW 296<sup>th</sup> Street, 3R – Miami-Dade County, Florida – FDOT, District 6**

Structural Engineer who provided quality control review of structural calculations mast-arm design and special notes.

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

Structural Engineer of Record in charge of preparing the design for construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection, prepared the inspection reports and is supervising on the plans preparation.

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

Structural Engineer of Record in charge of the design for construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection, prepared the inspection reports and is supervising on the plans preparation.



**Cypress Weir 1 Gold4A Relocation Design, Collier County, Florida – South Florida Water Management District**

Structural Engineer of Record in charge of structural and civil design. The project is to relocate Cypress Canal Weir #1 (GOLD4A), in Naples. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. The new structure includes a bridge over the Cypress Canal, sheet pile walls, new gates, control buildings, stilling well platforms on concrete piles and miscellaneous appurtenances.

**Advanced Wireless Deployment ACT Letter and Structural Analysis, Broward County, Florida – City of Weston**

Structural Engineer: He provided Quality Control Review of structural calculations to determine whether the new wireless facilities could be installed on the City of Weston's existing light poles. RJ Behar scope included checking the existing poles for shear, the anchor bolt capacity, the foundations and preparing a letter report with the findings.

**B 134 Paint Building, Palm Beach County, Florida – South Florida Water Management District**

Structural Engineer: Mr. Peña provided quality control review of structural calculations. RJ Behar provided structural engineering services for the project which included: wind loading calculations on the pre-fabricated buildings, and foundation calculations and reinforcement design.

**Portugés Dam Access Bridge, Puerto Rico – United States Army Corps of Engineers Jacksonville District**

Engineer Technical Lead: This bridge consists of a single 83' span Type IV AASHTO girder with CIP deck with two abutments, one anchor on the RCC Dam and the other on the ground bed rock. Mr. Peña performed the design of the girders and concrete deck for this bridge using AASHTO LRFD Bridge Specifications. He was the engineer technical lead, performing QC of all structural design components and seismic analysis. He was also involved in checking the contractors repair procedures during construction.

**US 41/SR 90 Bridge on Tamiami Trail, Miami-Dade County, Florida – USACE Jacksonville District**

Structural Lead Engineer: Mr. Peña provided an accelerated design review of the first highway design civil works project in SAJ, the US41/SR90 Tamiami Trail Bridge. The Tamiami Trail project includes constructing a one-mile bridge and raising and reinforcing an additional 9.7 miles of road. The project was intended to help Everglades restoration by reconnecting the natural flow of freshwater from Lake Okeechobee south to Florida Bay. This bridge consists of a 5,280', 66-spans, Type IV AASHTO girder with CIP decks and two abutments on piles foundation. Mr. Peña served as the design engineer technical lead, performed QC/QA of all structural components and responsible of the scour protection evaluation and design for the bridge substructure (deep foundation and piers). He also performed the analysis and design verification of the abutments, girders and concrete decks for this bridge using AASHTO LRFD Bridge Specifications.

**CSX Railroad Bridge – USACE Jacksonville District**

Structural Lead Engineer for a railroad bridge over Kissimmee River. The project consisted of the construction of a new bridge that carries the CSX Railroad across a restored section of the Kissimmee River.

**Site 1 Impoundment Culvert – USACE Jacksonville District**

Structural Lead Engineer. The purpose of this project is to supplement water deliveries to the Hillsboro Canal by capturing and storing excess water currently discharged to the Atlantic Intra-coastal Waterway.

**STA-1E Culverts Modifications, Palm Beach County, Florida – USACE Jacksonville District**

Mr. Peña provided engineering support for the failure investigation and repair solutions of the STA-1E Culverts. STA-1E was part of the Everglades Restoration project and is in the C-51 basin.

**Jacksonville District's National Bridge Inspection Program (NBIS) - USACE Jacksonville District**

Mr. Peña managed the Bridge Inspection Program conducting periodic bridge inspections and performing load ratings of bridges owned by the USACE.

**Bridge of Lions – Saint Augustine, Florida - Federal Highway Administration, Florida Division**

District Area Engineer. He reviewed initial, intermediate, and final plans, specifications and estimates (PS&E) for appropriate application of design standards and criteria, conformed with policy and regulations. He verified eligibility of federal participation, reasonableness of construction estimated unit prices and other federal contract provisions. The Bridge of Lions is a double-leaf bascule bridge that spans the Intracoastal Waterway in St. Augustine, Florida. Project Cost was \$90,000,000.

**PR-52 Desvio Sur de Ponce, Ponce Puerto Rico – PR Highway and Transportation Authority**

Roadway and Structural Design Engineer. Puerto Rico Highway 52 (PR-52) is a major toll road in Puerto Rico today known also as the Autopista Luis A. Ferré. The last segment is known as "Desvio Sur" and was opened in 1996. It has a length of 9 kilometers and connects PR-52 with PR-2 in Ponce. It includes one toll station. Project Cost was \$ 90,000,000.00.

This project included two major bridges.

**CARMELO J. RAMOS, PE**  
**ELECTRICAL ENGINEER**



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

**YEARS OF EXPERIENCE**      **YEARS WITH RJ BEHAR**  
 12                                      -1

**PROFESSIONAL REGISTRATIONS**

P.E. Florida License No. 77953, 2012

**ENGINEERING EXPERIENCE**

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

**RELEVANT EXPERIENCE**

**Cypress Canal Weir #1 (GOLD4A Relocation Design, Naples, Florida – SFWMD**

Senior Electrical Engineer. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. Mr. Ramos is in charge of the electrical design for the control building, gates, stilling wells, site, and site illumination. He is assisting with the FP&L coordination, electrical design, electrical elements of the cost estimates and the specifications.

**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 NRWTP, and a rehabilitated force main from LS 12 to the connection from the Wynmoor Community, just west of the Florida Turnpike.

**Stand-By Generators USCG Housing, Guaynabo, Puerto Rico**

Project Design Manager for the new USCG Rio Bayamon Housing Stand-By Generators System (\$3M).

**Short Tie USCG Grand Isle Station, Grand Isle, Louisiana**

Project Design Manager for the new USCG Station pier power distribution (\$1M).

**Hangars Power Distribution, Clearwater, Florida**

Project Design Manager for the new USCG Air Station Clearwater Hangars (\$2.5M).

**Reverse Osmosis Plant Modernization in the Nuclear Submarine USS West Virginia, Norfolk Virginia**

Project Design Manager for the reverse osmosis plant modernization in the nuclear submarine USS West Virginia (\$4.4M).

**Close-in Weapon System (CIWS) in the Nuclear Aircraft Carrier USS Dwight D. Eisenhower, Norfolk Virginia**

Project Design Manager for the installation of the close-in weapon system (CIWS) in the nuclear aircraft carrier USS Dwight D. Eisenhower (\$8M).

**Medical Room Overhauling in the USS Wasp Amphibious Carrier, Norfolk Virginia**

Project Design Manager for the Medical Room overhauling in the USS Wasp amphibious carrier (\$3M).

**Navigation Sensor System Interface (NAVSSI) in the USS Wasp Amphibious Carrier, Norfolk Virginia**

Project Design Manager for the installation of the Navigation Sensor System Interface (NAVSSI) in the USS Wasp amphibious carrier (\$6M).

**Overhauling of the Reactor Secondary Compartment Aircraft Carrier USS Dwight D. Eisenhower, Norfolk Virginia**

Project Design Manager for the overhauling of the reactor secondary compartment in the aircraft carrier USS Dwight D. Eisenhower (\$10M)

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## EMPLOYMENT EXPERIENCE

### Department of Homeland Security, U.S. Coast Guard

**Role:** Electrical Engineer: Responsible for supporting the planning, design, construction, alteration, maintenance, repairs and life cycle support of all Real Property assets assigned to the Civil Engineering Unit (CEU). These include, but are not limited to, designs for construction and maintenance for the following types of facilities: historic buildings, complex facilities, administrative buildings, fuel storage, roads, utilities, antennas/towers and aids to navigation. Identifying, testing, and evaluating emerging technologies that could enhance the operational performance or reduce the life cycle support costs of assigned assets within the CEU area of responsibility (AOR). He developed, monitor, and manage the operational and depot level maintenance performed, and researches/identifies ways to reduce the risk of environmental impact caused by both preventative and corrective maintenance performed on assets within the CEU. He provided input into planning documents such as: Site Studies, Home port Plans, Master Plans, and Regional Strategic Plans for assets nationwide. Provided analysis of recurring instances of non-compliance with shore facility maintenance policy/procedure to determine necessary clarification, guidance or policy changes recommendation. Developed policies and regulations required to implement energy, maintenance and equipment acquisition programs. His responsibility included ensuring the physical integrity and financial viability and managing the efficient and operation of United States Coast Guard Command, Control, Communications, Computers and Information Technology. He also performed risk assessment, problem identification and resolution reports, while applying an extensive knowledge of management concepts, principles, methods and practices.

### Norfolk Naval Shipyard, US Navy

**Role:** Electrical Engineer: He was responsible for planning, designing, developing, integrating, maintaining, repairing, and performing end-of-lifecycle responsibilities for aircraft carriers, submarine platform design, mayor ship system, or other complex systems. Supporting the installation and modification of shipboard electrical systems. He performed technical reviews and evaluations of complex control systems. He also designed, modified, and evaluated the electronic and electric systems, components, or circuit for use in shipboard systems; analyzed equipment to establish operating data and writes testing procedure; provided technical engineering information and interpretation of plans, detail sheets and specifications for contractors; prepared reports and statistics. He was in charge of understanding software engineering and network interfaces of warfare systems; continually finding solutions to conflicts in structural/architectural/mechanical/electrical drawings and specification by conferring with the consultants. He coordinated inspections with consultants and authorities as required by the contract; ensured the work complied with all engineering standards, codes, specifications and design instruction. He led, scheduled, planned, and facilitated the process of improving events and projects. He implemented and sustained a 5S (sort, straighten, shine, standardize, sustain) initiative, captured results, lessons learned, and future opportunities. He also trained and mentored yellow belt team members. He applied continuous process improvement tools to a Kaizen/Rapid Improvement Events (RIE) and led or facilitated a Kaizen/Rapid Improvement Event while using the appropriate techniques to build and guide a Kaizen/RIE team.

### Puerto Rico Power Authority, San Juan, PR

**Role:** Supervisor Electrical Engineer: He was the Supervisor of Distribution Operation Center; managed and operated SCADA, and outage management system (OMS); applied knowledge of industry standards and power delivery design principles as related to electric transmission and distribution systems; applied knowledge of high voltage and extra high voltage transmission systems up to 230kV; developed and applied knowledge of plan and profiles, general structural arrangements, loading tables, material standards & specifications, equipment specifications, and construction practices. He had a complete understanding of capital project delivery, including capital planning, design, construction and commissioning. He used his knowledge of interior and exterior power distribution and lighting design and stand by emergency power. His responsibilities included supervising and coordinating the appropriate mechanical operations of sub-station, GIS sub-station, feeder and capacitor bank; analyzed transmission and distribution power flow; performed high voltage and low voltage operation, troubleshooting and maintenance in according with utilities standards; provided technical advice in sub-station standards, construction and operation and provided preventive maintenance and repair of street lighting.

## RAFAEL DE ARAZOZA, PE, PTOE, CPM TRAFFIC STUDIES/TRAFFIC CALMING; GRANTS/FAA, FDOT COMPLIANCE



### EDUCATION

B.S. Civil Engineering, Florida International University, Miami, Florida, 1975

### YEARS OF EXPERIENCE

45 Years

### YEARS WITH RJ BEHAR

2010 – Present

### PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 24487, 1980
- Professional Traffic Operations Engineer (PTOE) No. 2852, 2010
- Certified Public Manager (CPM), Florida State University/Florida Department of Transportation, 1989

### ENGINEERING EXPERIENCE:

Mr. De Arazoza experience includes supervising and providing technical guidance and support to transportation planning, roadway design and traffic engineering personnel throughout his career. He provided and continues to provide management and technical support for traffic engineering and safety studies, transportation planning, land use planning, including public involvement and coordination with local governments. He provided quality assurance and quality control on all of the above activities. He has worked in both private and governmental agencies, including FDOT and Broward County. Mr. De Arazoza has held many high level management positions throughout his career. He is well-versed in traffic engineering and roadway design standards and procedures.

### RELEVANT EXPERIENCE:

#### **Cobblestone Community Traffic Study, Broward County, Florida – Cobblestone Community**

Traffic Project Manager: He was responsible for overseeing the collection of the traffic data for AM and PM peak hour and for the turning movement counts. He compiled all of the data and computer generated information and prepared the Traffic Analysis Report.

#### **I-95 at 6<sup>th</sup> Avenue Project Development & Environmental (PD&E) Study, Palm Beach County, Florida – FDOT, District 4**

Traffic Engineer/Task Manager for the IOAR as part of the PD&E study of the Interchange Improvements. The study included traffic projections, public involvement and included all the ramps within the subject interchange. This IOAR along with the proposed improvements received approval by FDOT Central Office.

#### **Donald Ross Road and I-95 Interchange Operational Analysis Report (IOAR), Palm Beach County, Florida – FDOT, District 4**

Project Manager: He provided professional traffic engineering services for the IOAR. The study area included the two signalized intersections west and east of the I-95/Donald Ross Road Interchange and the intersections of Donald Ross Road with Heights Boulevard to the east of the interchange and with the unsignalized intersection of 64<sup>th</sup> Drive N. west of the interchange. The study also included the ramps within the subject interchange. This IOAR along with the proposed improvements received approval by both FDOT and the Federal Highway Administration (FHWA).

#### **Districtwide Traffic Operations/Safety Studies, Miami-Dade County, Florida – FDOT District 6**

Project Manager responsible for providing services including the development of safety and traffic operations studies. Tasks included traffic data collection and analysis, field review, operation analysis, crash analysis, cost-benefit analysis, and providing improvement alternatives. The locations that were studied include high crash spot/segment locations or other Districtwide locations where safety and operational concerns were identified.

#### **Palmetto Bay Village Center & Old Cutler Bay Road Traffic Study, Miami-Dade County, Florida – Village of Palmetto Bay**

Project Manager: He was responsible for reviews of the studies to ensure that all pertinent data and analyses complied with applicable standards, policies, procedures and guidelines; such as the latest versions of the Highway Capacity Manual, the Florida Department of Transportation Quality/Level-of-Service Handbook, the Institute of Transportation Engineers Trip Generation 9<sup>th</sup> Edition and the Village. RJ Behar performed reviews of the Traffic Impact Study, Traffic Calming Studies, Traffic Operations/Safety Studies, and provided a report with the findings, comments and recommendations.

#### **Traffic Engineering Services and Highway Functional Class Function Study, Broward County, Florida – City of Miramar**

Project Manager responsible for successfully completing a signal warrant study and the Roadway Functional Classification



& Jurisdictional Transfers studies for the City as well.

**Transportation Planning & Traffic Engineering Services, Miami-Dade County, Florida – City of Doral**

Project Manager responsible for performing traffic operations, safety, street calming and signal warrants studies, as well as reviewing numerous traffic impact studies for the City. As part of these studies, recommendations were made to address identified operational and safety deficiencies.

**Roadway Impact Fees Study, Miami-Dade County, Florida – City of Doral**

Task Manager: The purpose of this study was to determine the impact to roadway improvement revenue funds as the result of reducing the total number of trips generated by multi-use developments to account for internally captured trips. He reviewed the current available data, developed three impact fees from the current methodology, reviewed the existing methodology impact fees from revised methodology; prepared a comparison table study, and finalized the Report.

**SR 5/US-1/Biscayne Boulevard and NE 35<sup>th</sup> Street Traffic Signal Warrant Analysis, Miami-Dade County, Florida – FDOT, District 6**

Project Manager: The scope included a signal warrant analysis to evaluate the need for potential signalization at the intersection. The study concluded that the intersection is not a candidate for a traffic signal at the time; however, improvements were recommended for the Department's consideration in order to improve operational and safety conditions at this intersection.

**Transportation Master Plan/Transportation Concurrency Management Areas, Miami-Dade County, Florida – City of Miami Gardens**

Project Manager responsible for complete development of the Transportation Master Plan, including public involvement, analyses of existing and future conditions of the transportation system; development of transportation improvement projects addressing not only roadways but multi-modal projects as well. He developed an implementation plan including existing available and forecasted transportation funds and received approval by the City Council and the Metropolitan Planning Organization.

**SR 817/NW 27<sup>th</sup> Avenue at Ali Baba Avenue, Miami-Dade County, Florida – FDOT, District 6**

Project Manager: He oversaw the seventy-two hour volume counts were collected for every approach at the study intersection. Based on the data/observation identified above, the need for a protected left-turn phase for the northbound, eastbound and westbound left-turn movements of the study intersection did not appear to be justified at that time.

**Traffic Analysis for Proposed Sonic Restaurant, Broward County, Florida – City of Coral Springs**

Project Manager who performed the traffic study. The purpose of this traffic study was to determine the difference in vehicular trip generation between the previously approved site plan and the newly proposed one and determine if further analysis was required. The study also analyzed the impact, if any, of the proposed 2-lane drive-thru.

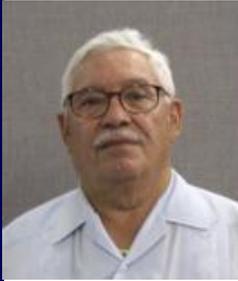
**Master Plan Updates Existing Conditions Inventory at Fort Lauderdale-Hollywood International Airport, Broward County, Florida – Broward County Aviation Division**

Project Manager: He provided the applicable sections of the Inventory of Existing Conditions Chapter and maps of the land use and traffic data as well as tables of all traffic count data and land use acreage. The scope involved evaluations for the Master Plan update, which included a thorough inventory of existing condition and data collection, comprising both physical attributes and operational/performance characteristics for existing facilities and infrastructure will be undertaken. The data and information collected as part of this inventory task will serve as a baseline of existing conditions by which the subsequent master planning analysis will be based upon.

**Master Plan Updates Existing Conditions Inventory at North Perry Airport (HWO), Broward County, Florida – Broward County Aviation Division**

Project Manager for the landside inventory, which included a review of existing conditions for on-airport roadways and intersections, public transportation and general ground access, public parking and interface with the local roadway network. Every effort was made to utilize available recent traffic count information provided by BCAD or others, including data from recent FDOT traffic counts. Traffic count information for the primary arterial roadways surrounding HWO (Pines Boulevard, University Drive and Pembroke Road) was obtained from FDOT traffic count data. The evaluation of vehicular parking areas was performed separately on an individual tenant facility basis by others. RJ Behar provided the applicable sections of the Existing Conditions Inventory Chapter summarizing the conditions of the existing HWO airport facilities and operating environment.

**RAFAEL DROZ, PE**  
**INSPECTOR/THRESHOLD INSPECTOR**

**EDUCATION**

B. S. Civil Engineering, University of Puerto Rico, 1957

**YEARS OF EXPERIENCE**

47 Years

**YEARS WITH RJ BEHAR**

2008 - Present

**PROFESSIONAL REGISTRATIONS**

- P. E. Florida License No. 39228/1988
- P. E. Puerto Rico 3323
- Threshold Inspections Florida License No. 843

**ENGINEERING EXPERIENCE**

At RJ Behar, Mr. Droz performs construction inspections of developments and inspection for infrastructure and building projects. He has over 47 years of building, roadway and site construction supervision experience. Mr. Droz-Seda is a certified Threshold Inspector.

**RELEVANT EXPERIENCE****Peters Elementary School -Threshold Inspection – Broward County, FL**

Senior Threshold Inspector responsible for all threshold inspections for this cafeteria/auditorium at Peters Elementary School in Broward County. These inspections included on-site slab pours and all structural elements.

**Soffits Replacement and T4 Curbside Canopy Structural Inspection Services – Broward County Aviation Department**

Inspector – Structural inspection services for the Soffit Replacement and Terminal Curbside Canopy at Fort Lauderdale Hollywood International Airport. Mr. Droz Seda served as Senior Structural Inspector responsible for inspection services.

**Spanish River Athletic Facility (formerly Countess de Hoernle Park) – City of Boca Raton, FL**

Special Structural Inspector for construction of several buildings.

The project included two main (2) restroom-vending buildings, dugouts, entry signs, poles and foundations of awnings for tot lots and bleachers. The scope also included the design of foundations for new mast arms at the intersection with NW Spanish River Boulevard

**Public Safety Facility – City of Coral Springs, FL**

Special Inspector for a prefabricated building.

The scope of the project included preparing civil and structural engineering design plans for the construction of a structural concrete foundation and floor slab for a prefabricated storage building and related parking lot modifications located at the Public Safety Facility.

**City of Fort Lauderdale – Fort Lauderdale, FL**

Building Inspector and Engineer for buildings and dock construction.

**Levitt and Sons – San Juan, Puerto Rico**

Field Engineer in the construction of housing developments, soil cement and lime stabilization streets contractor.

**VSL Corporation, FL**

Inspector for Oriole Homes Multi Stories in Pompano Beach, Cypress Bend, Delray Beach and Boca Raton, 10 to 12 stories building.

**Intercontinental Testing Company, FL**

Engineer for multi stories building and soil and concrete testing.

**Deleu Cather, FL**

Building Inspector for the construction of the Tri Rail Stations in Hollywood and Golden Glades.

**H.W. Lochner, Inc.**

Professional Engineer, Building and Road Inspector at the Joe Robbie Stadium Interchange.

**Metric Engineering**

Road Inspector at the I-75, Alligator Alley Highway, laboratory test of asphalt, concrete and soil testing and inspection.

NESTOR SANTANA, PE  
**CONSTRUCTION ENGINEERING/MANAGEMENT/ADMINISTRATION/LAP**  
**CONSTRUCTION COST ESTIMATING**

**EDUCATION**

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

**YEARS OF EXPERIENCE**

25 Years

**YEARS WITH RJ BEHAR**

2014 - Present

**PROFESSIONAL REGISTRATIONS**

P.E. Florida License No. 85785, 2018

P.E. Puerto Rico License No. 16868

**CERTIFICATIONS:**

Final Estimates I & II

QC Manager

Earthwork I & II

FDOT Critical Structures Construction Issues

**TIN#:** S535636684490

Radiation Safety Officer

Nuclear Gauge Hazmat Training

Advanced Temporary Traffic Control Plans

**ENGINEERING EXPERIENCE**

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

**RELEVANT EXPERIENCE****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. He prepared 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.

**Miramar Parkway Streetscape from 68<sup>th</sup> Avenue to 64<sup>th</sup> Avenue, Construction Inspection Services, Broward County, Florida -City of Miramar/Florida Department of Transportation (FDOT), District 4/Federal Highway Administration**

Senior Project Engineer assisting the City in complying with all State and Federal Equal Employment Opportunity (EEO) requirements as they apply to this project, including the provisions of the U.S. Department of Transportation, the Federal Highway Administration, and the U.S. Department of Labor. He is responsible for all construction inspections, overseeing the resident compliance specialist, and performing project close-out. *Project Length: 0.58 miles*

**S-135 By-Pass Culvert Abandonment and Dike Repairs, Broward – South Florida Water Management District (SFWMD)**

Cost Estimator: He prepared the cost estimates for the Design Development Report and Conceptual design plans for the project. This project involves abandonment of two 96" diameter culverts under the Herbert Hoover Dike at the S-135 Pump Station and required extensive coordination with the USACE.

**Riverview Pump Station New Generator, Fire Suppression and Main Switch Disconnect, City of Miami, Florida**

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.

**Citywide Pedestrian Safety Project, Broward County, Florida – City of Dania Beach/FDOT/FHWA**

Senior Project Engineer who is coordinating with and providing FOOT with all the required information to ensure compliance with all LAP requirements, oversee the inspection team and the resident compliance specialist, keep the construction contract time established, and perform Final Construction Close-out. *Fees Paid: \$91,000 Construction Costs: \$1,000,000*



**R.J.Behar**

**Nova Drive, Broward County, Florida – Town of Davie**

Senior Project Engineer responsible for managing the contract, budget, contract time, and inspection staff; ensuring the contractor's conformance with the plans and project specifications, reviewing and keeping track of contractor submittals – shop drawings, requests for information (RFIs), project baseline schedule and monthly updates; Review project daily reports, monthly progress estimates, conduct progress meetings, preparation of minutes; Coordination with all stakeholders, including the various agencies, utility companies, the public, school, businesses, and neighboring homeowners associations; review project final as-builts, material certifications, and preparation and submittal of the closeout package.

Contractor” Weekley Asphalt, Inc. Construction Cost: Project Length: 1.29 miles

**S-151 Structure Replacement and Automation, Broward County, Florida – South Florida Water Management District (SFWMD)**

Construction Manager: He is providing observation and documentation of the construction to ensure the work is performed according to the project drawings and specifications. He attends construction meetings, reviews of shop drawings, RFIs, coordination with the DPM. The project consists of the removal of six 7' x 98' corrugated metal pipes, construction of four (4) cast in place concrete 8' wide by 8' high by 36' long box culverts with wing walls, stop log recesses, remote controlled stainless-steel gates, stilling wells, relocation of existing staff gauges, concrete platforms, LP tank, fencing, gates, new precast control building for system controls and generator. *Cost/Fees Paid: \$306,374 Construction Cost: \$5,584,000*

**G94 CMS Inspection Services, Palm Beach County, Florida – SFWMD**

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

**Fort Lauderdale-Hollywood International Airport Terminal 2, 3 and 4 Pedestrian Bridges Phase 1, Demolition and Cleaning, Broward County, Florida – Broward County Aviation Department**

Resident Project Representative substituted on the project and acted on behalf of the Aviation Department to observe the construction and advise BCAD regarding its compliance with requirements of the contract documents. The scope of work included replacement of the metal soffit panels at the four pedestrian bridges linking the Palm parking garage with Terminal 2, 3 and 4. Project Length: Parking Garage

**US-1/Federal Highway Beautification Local Agency Program (LAP) Project, Palm Beach County, Florida – City of Delray Beach/FDOT, District 4/Federal Highway Administration**

Senior Inspector: He was a substitute inspector covering the project. He oversaw the quality control of construction for this project. He was responsible for overseeing that the Contractor met the plans, specifications and obtained quantities.

Project Length: 2.4 miles

**PREVIOUS EXPERIENCE****Project Management of EOS Synthroid Expansion Project at AbbVie, Barceloneta Puerto Rico**

Project Manager for demolition and construction of new 23,580 square feet of manufacturing facilities and building expansion for new packaging lines facilities. Including all mechanical and civil utilities installation such as compressed air, HVAC with new AHU's, steam and condensate, USP water, nitrogen and all equipment installation. *Total Project Cost: \$6.5 million*

**Project Management of Calibra MVL Phase II Expansion, Johnson & Johnson Pharmaceutical Company, Aguadilla Puerto Rico**

Project Manager for deliverables of demolition and construction of new manufacturing facilities and building expansion for new packaging point facilities. It also included all mechanical utilities installation such as compressed air, chilled water, HVAC with new AHU's steel and concrete building, steam and condensate, USP water. Also responsible for coordination of all technical reviews and execution for project deliverables of civil works. *Total Project Cost: \$8.5 million*

**Program Management and Control for the Modernization of Water and Wastewater Infrastructure of Puerto Rico – Puerto Rico Aqueduct and Sewer Authority (PRASA), Puerto Rico Engineer/Coordinator – South Region:**

Project Manager: Performed project management services for assigned projects within the South Region, monitoring the project execution in coordination with the inspection firms for the Puerto Rico Aqueducts and Sewers Authority (PRASA) Water and Waste Water Modernization Program. Perform site visits regularly and actively participate in project meetings with the objective to prevent and inform any issues affecting the development of construction works, project quality and/or project schedule. Responsible for Project Deliver for PRASA in Timely and Accurate Manner.

## JOSSMEL CRUZ GARCIA, EI

### MAJOR BRIDGES/SEAWALLS/STRUCTURES



#### EDUCATION

M.E. 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

3

#### YEARS WITH RJ BEHAR

2017 - Present

#### PROFESSIONAL REGISTRATIONS

Engineer Intern No. 1100023398, 2019

#### CERTIFICATIONS

OSHA 30 hour Construction Safety and Health

#### PROFESSIONAL SOCIETIES

Member of American Society of Civil Engineers (ASCE)

#### ENGINEERING EXPERIENCE

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

#### RELEVANT EXPERIENCE

##### **Cypress Weir 1 (Gold4A) Relocation Design, Naples, Florida, South Florida Water Management District**

Structural Designer in charge of structural calculations and structural plans. The project is to relocate Cypress Canal Weir #1 (GOLD4A), in Naples, FL. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. The new structure includes a bridge over the Cypress Canal, new gates, control buildings, stilling well platforms on concrete piles and miscellaneous appurtenances.

##### **Lakeside Community Hurricane Damage Repair, Miami-Dade County, Florida – Town of Medley**

Structural Designer for designing repairs to damaged seawalls due to Hurricane Irma. Erosion control methods, pollution prevention precautions, and earthwork construction are included in the project. He prepared 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.

##### **Booster Stations Seawall Repair #1, Miami-Dade County, Florida – Town of Medley**

Structural Designer for designing rows of pre-stressed 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.

##### **Seawall Design at Tobie Wilson Park, Miami-Dade County, Florida – Town of Medley**

Designer who is assisting with the structural analysis and design, and plans preparation. The scope of work will include design of approximately 850 feet of a new bulkhead wall located along the south bank of the Miami Canal.

##### **Inverrary Estates Privacy Wall, Broward County, Florida – City of Lauderdale**

He is responsible for the foundation design and structural details of the preparation of Construction Documents for the construction of approximately 2,750 feet of an 8-foot prefabricated privacy wall at Inverrary Estates. The project will also include the continuation of landscape and irrigation design along NW 44<sup>th</sup> Court and a meandering sidewalk design.

##### **Riverview Pump Station, Miami-Dade County, Florida – City of Miami**

Structural Designer of foundation slab for new emergency generator.

##### **Mast Arm Replacement Weston Road and Emerald Estates Drive, Broward County, Florida – City of Weston**

Structural Engineer who was responsible for preparing the structural calculations for the design of the mastarm replacement. He analyzed that the design complied with the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and FDOT Structures Manual.



**Advanced Wireless Deployment ACT Letter and Structural Analysis, Broward County, Florida – City of Weston**

Mr. Cruz provided structural calculations to determine whether new wireless facilities could be installed on the City of Weston's existing light poles. He checked the existing poles for shear, the anchor bolt capacity and the foundations and prepared a letter report with the findings.

**Florida Mango Road over PBC L-2 Canal Palm Beach County, FL - Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Structural Engineer who performed the structural calculations for the culvert end walls design and prepared the plans.

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

Structural Designer in charge of preparing construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection and is working on the plans preparation.

**Paint Two Bridges of Turnpike Main Line over Rim Ditch Canal (C-24) in St. Lucie County, Turnpike Enterprise**

Structural Designer in charge of construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection and is working on the plans preparation.

**B 134 Paint Building, Palm Beach County, Florida – South Florida Water Management District**

Structural Designer. He provided structural engineering services for the project which included wind loading calculations on the prefabricated building, foundation calculations and reinforcement design. This input will be used in producing plans and SFWMD standard specifications will be used to tailor towards this project. RJ Behar provided input in the engineering design report.

**S-40, S41 and S-44 Gate Replacements and Concrete Repairs, South Florida Water Management District**

Structural Designer in charge of the update to the design of the structural elements. The project consists of the design, fabrication and installation of new stainless steel vertical lift roller gates and frames for coastal structures S-40, S-41 and S-44; replacing the existing hydraulic hoist systems to a new cable (rope) drum hoist system for structures S-40 and S-41; furnishing and installing riprap at the embankments for structures S-40, S-41 and S-44; and to address civil/structural/mechanical/electrical deficiencies.

**SR 845/Powerline Road at NW 59<sup>th</sup> Court Intersection, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4**

Structural Engineer who was responsible for the structural calculations and preparing the design for construction plans for the special foundation for the mast-arm, a multi-post and light pole foundations.

**SR 25/Okeechobee Road from W. 7<sup>th</sup> Avenue to NW 36<sup>th</sup> Street, Miami-Dade County, Florida – FDOT, District 6**

Structural Engineer: As part of the post-design services, he was responsible for reviewing the mast arm and overhead cantilever sign shop drawings; reviewing the mast arm design calculations shop drawings; reviewed the cantilever sign foundation shop drawings; reviewed the multi-post foundation shop drawings; designed spread footings for the light pole; and performed the structural design of a barrier wall for pier protection.

**NW 87<sup>th</sup> Avenue, Miami-Dade County, Florida – FDOT, District 6**

Project Engineer who designed and checked shop drawings for the light pole spread footers. He also designed and checked shop drawings for the pedestrian post special foundation detail.

**SR 997/Krome Avenue from SW 312<sup>th</sup> Street/Campbell Drive to SW 296<sup>th</sup> Street, 3R – Miami-Dade County, Florida – FDOT, District 6**

Structural Engineer who provided reviews of the structural calculations for the mast-arm design and special notes.

**Retrofit Lighting for 3 Intersection, Palm Beach County, Florida – FDOT, District 4**

Structural Engineer who performed the calculations for the light pole spread footing.

**Turnpike Southbound Exit Sign Panel Analysis, Broward County, Florida – FDOT, District 4**

Structural Engineer who provided a wind load analysis to evaluate the conditions of the Florida Turnpike southbound exit sign panel when additional vertical members were attached. The calculations provided the analyses for: Vertical Member (Zee Bars), Anchor bolts Connections, Horizontal Member (Zee Bars) on Main Sign, and Overhead Span Sign Structure.

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

Project Engineer who was responsible for preparing the structural calculations for the design of mastarms. He analyzed that the design complied with the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and FDOT Structures Manual. Project Length: 0.876 miles.

**NW 102<sup>nd</sup> Avenue from NW 138<sup>th</sup> Street to NW 142<sup>nd</sup> Street, Miami-Dade County, Florida – City of Hialeah**

Structural Engineer who was responsible for the signal modification and the structural calculations. Length: 0.269 miles

MICHELLE LEON, EI

CONSTRUCTION ENGINEERING/MANAGEMENT/ADMINISTRATION/LAP

TRAFFIC STUDIES/TRAFFIC CALMING

**EDUCATION**

BS Civil Engineering, Florida International University, 2012

**YEARS OF EXPERIENCE    YEARS WITH RJ BEHAR**

6 Years

2014 – Present

**PROFESSIONAL REGISTRATIONS:** Engineer Intern #: 1100019645, 2016**CERTIFICATIONS:**

Earth Work I &amp; II

Asphalt Paving Level I &amp; II

Asphalt Plant I

Final Estimates I &amp; II

Drilled Shaft Inspector

Pile Driving Inspector

Advanced Maintenance of Traffic

**TIN #:** L500540877610

FDOT Concrete Field Technician Level 1

ACI Concrete Field Technician

Stormwater Erosion Sedimentation Control Inspector

US DOT Hazmat Certification Class

APNGA Portable Nuclear Gauge Safety

FDOT Critical Structures

FDOT MSE Wall

**PROFESSIONAL SOCIETIES**

Member of Society of Hispanic Professional Engineers

American Society of Civil Engineers

**ENGINEERING EXPERIENCE**

Ms. Leon has been responsible for construction engineering inspection for infrastructure projects, which includes reviewing the contractor's operations, field measurements, recording changes made during construction, reviewing and approving as-built conditions and documentation of construction progress on a daily basis. She is responsible for documenting the construction progress with daily reports in the Primavera Expedition and E-Builder systems. She is proficient in Microsoft applications including: Word, Excel and PowerPoint, also proficient in AutoCAD and AutoCAD 3D. She has also prepared plans using Microstation and GeoPak.

**RELEVANT EXPERIENCE****S151 Structure Replacement and Automation Construction CMS, Broward County, Florida – South Florida Water Management District (SFWMD)**

Project Inspector: She was responsible for providing construction management and inspection support services including: Performing field inspections of the construction effort to verify conformance to the contract plans and specifications; preparing daily reports documenting construction performance and inspections; photographing documentation of construction activities on a daily basis; attending progress meetings; coordinating and handling of submittals and requests for Information (RFIs) with the DCM as necessary; performing field inspections to review and verify environmental protection measures installed by the Construction Contractor are complying with regulatory requirements; verifying the Construction Contractor work performed and documented in Construction Contractor payment applications; and coordinating all the materials testing during the construction of the project done by Tierra South Florida, Inc. Project Costs \$5.58M

**Waterline Design along NE16<sup>th</sup> Avenue, NE 146<sup>th</sup> Street and NE 18<sup>th</sup> Avenue, Miami-Dade County, Florida – City of North Miami**

Project Engineer/Inspector: She conducted inspections and closing out of the project during construction for the water line installation. The project includes approximately 3,255 ft of new 16-inch DIP water line.

**ITS Shelters Homestead Construction CMS, Miami-Dade County, Florida – South Florida Water Management District (SFWMD)**

Project Inspector: She was responsible for providing construction management and inspection support services including: Performing field inspections of the construction effort to verify conformance to the contract plans and specifications; preparing daily reports documenting construction performance and inspections; photographing documentation of construction activities on a daily basis; attending progress meetings; coordinating and handling of submittals and requests for Information (RFIs) with the DCM as necessary; performing field inspections to review and verify environmental pro-



MICHELLE LEON, EI

tection measures installed by the Construction Contractor are complying with regulatory requirements; verifying the Construction Contractor work performed and documented in Construction Contractor payment applications; and coordinating all the materials testing during the construction of the project done by Tierra South Florida, Inc. This Project consists of the construction of pre-cast concrete IT shelter at the Homestead Field Station. The purpose of the Shelter Replacement Project is to replace the existing communications equipment shelter building, furnish and install new communications support equipment, install a new ground grid, and install new communications cabling.

**C-4 Canal Bank Improvements Palmetto Phase 2 CMS Inspection Services, Miami-Dade County, Florida – South Florida Water Management District**

Project Inspector: She is responsible for providing construction management and inspection support services; including performing field inspections of the construction effort to verify conformance to the contract plans and specifications. The C-4 project included the construction of approximately 2,545 linear feet of earthen (flood protection) berm on the north bank of the C-4 Canal between SW 87th Avenue and SW 82nd Avenue.

**NW 35<sup>th</sup> Avenue Greenway Enhancement, Broward County, Florida – City of Lauderdale**

Project Inspector: She was responsible for providing construction engineering and inspection support services for conversion of a jogging path to a Greenway on NW 35<sup>th</sup> Avenue from North of Broward Boulevard to NW 5<sup>th</sup> Place. The project includes construction of decorative edge treatment bounding both sides of the greenway, seven asphalt connections to the existing path, signing and pavement marking improvements for bicycle traffic, landscaping, and pedestrian lighting. Cost/Fees Paid: \$106,989.00 Construction Cost: \$599,982.00; Project Length: 0.569 miles

**Gilbert Samson Ocean Front Park, Miami-Dade County, Florida – City of Sunny Isles Beach**

Construction Inspector/Resident Project Representative: She was responsible for overseeing the construction of a sanitary sewer grinder pump with connection to Dade County Facilities and new driveway access from a Florida Department of Transportation road, Collins Avenue. The project also included architectural plans for the addition of two bathroom stalls, full plumbing and electrical upgrades. She was also responsible for overseeing the landscaping in the park, including a new stage installed on the site. The project also included all new exterior and interior lighting. Cost/Fees Paid: \$141,478.00 Construction Cost: \$3 million; Project Length: 2.9 acres

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

Project Engineer for the neighborhood survey to inspect the property backyards and locate the sanitary line services and clean outs within the property easements. The scope of services included the Basis of Design Report (BDR), stormwater design, and sanitary sewer design of the wastewater collection system, design of proposed water improvements, utility coordination, permitting, and cost estimating. Project Length: Neighborhood

**SW 212<sup>th</sup> Street Drainage CEI Services, Local Agency Program (LAP) Project, Miami-Dade County, Florida – Town of Cutler Bay**

Inspector: She oversaw the drainage improvements being installed on SW 212<sup>th</sup> Street. She is keeping daily records of all construction activities and ensuring the construction is being installed as per the plans and specifications. Cost/Fees Paid: \$70,514.80 Construction Cost: \$727,590.87; Project Length: 0.34 miles

**US-1/Federal Highway Beautification, Local Agency Program (LAP) Project, Delray Beach, Florida – City of Delray Beach/FDOT, District 4**

Inspector: She was responsible for checking the dimensions of the sign panels to make sure they comply with the MUTCD and FDOT Design Standards, pre and post installation. This project included widening for a street parking area, the addition of a 4-foot bike lane, new turn left turn lane, new sidewalks, curb and gutter, decorative lighting, milling and resurfacing, including some overbuild areas, pavement markings, drainage modifications, construction of bulb-outs in the radius returns of the side streets, sidewalks, new traffic signal loops at all intersections, new underground traffic signal interconnect system, irrigation, and landscaping. Cost/Fees Paid: \$1,443,471.25 Change Orders: 3=\$240,052.00 Construction Cost: \$12,486,967.77; Project Length: 2.4 miles.

**C-4 Canal Bank Improvements Belen Phase 2 CMS Inspection Services, Miami-Dade County, Florida – South Florida Water Management District**

Project Inspector: She was responsible for providing construction management and inspection support services; including performing field inspections of the construction effort to verify conformance to the contract plans and specifications. The C-4 project included the construction of approximately 3,908 linear feet of earthen berms and approximately 410 linear feet of a concrete flood protection gravity wall on the north bank of the C-4 Canal between SW 130<sup>th</sup> Avenue and SW 122<sup>nd</sup> Avenue. Cost/Fees Paid: \$163,760 Construction Cost: \$1,360,250.

**G-94 CMS Inspection Services, Palm Beach County, Florida – South Florida Water Management District**

Project Inspector: She was responsible for providing construction management and inspection support services including: Performing field inspections of the construction effort to verify conformance to the contract plans and specifications;

MICHELLE LEON, EI

preparing daily reports documenting construction performance and inspections; photographing documentation of construction activities on a daily basis; attending progress meetings; coordinating and handling of submittals and requests for Information (RFIs) with the DCM as necessary; performing field inspections to review and verify environmental protection measures installed by the Construction Contractor are complying with regulatory requirements; verifying the Construction Contractor work performed and documented in Construction Contractor payment applications; and coordinating all the materials testing during the construction of the project done by Tierra South Florida, Inc. This project included, but was not limited to; replacing and/or refurbishing the existing G94A, G94C and G94D water control structures and removal of the existing G94B and U.S. Fish and Wildlife Service P1 pump station (FWS P1 Pump) located along the L-40 Levee. The construction was performed in a dry condition and temporary steel sheet pile cofferdams were installed upstream and downstream of the existing structure. *Cost/Fees Paid: \$312,120.00 Construction Cost: \$4,250,000.00*

### TRAFFIC EXPERIENCE

#### **NE 3<sup>rd</sup> Avenue/Progresso Drive/Florida East Coast (FEC) Railroad Crossing Traffic Study, City of Fort Lauderdale – Broward County Public Works Department**

Project Engineer – Performed the Synchro model runs for a traffic study to evaluate needs for improvements at the NE 3<sup>rd</sup> Avenue railroad crossing. *Cost/Fees Paid: \$19,615.20 – Construction Cost: Study.*

#### **City Center and Traffic Signals Warrant Analysis – City of Pembroke Pines, Florida**

Data Collection Technician: She performed the traffic counts including turning movements counts.

*Cost/Fees Paid: \$57,873.75 - Construction Cost: Study*

#### **SR-5/US-1 Riviera Drive to Kendall Dr Traffic Counts TWO #19, Miami-Dade County, Florida – Florida Department of Transportation (FDOT) District 6**

Data Collection Technician – She was responsible for traffic counts during peak intervals of the day. The purpose of this task work order was to collect vehicular volume counts and obtain travel time/delay data along SR5/US1/ South Dixie Highway between Riviera Drive and Kendall Drive to be used in traffic signal retiming tasks for Miami-Dade County.

*Cost/Fees Paid: \$72,778.41 – Construction Cost: Study*

#### **Traffic Data Collection NW 107<sup>th</sup> Avenue, NW 12<sup>th</sup> Street, Miami-Dade County, Florida – FDOT, District 6**

Data Collection Technician - Ms. Leon was responsible for performing traffic counts during peak intervals of the day. The purpose of this task work order was to collect vehicular volume counts and obtain travel time/delay data along NW 107<sup>th</sup> Avenue and 12<sup>th</sup> Street in the areas of the Dolphin Mall and International Mall, including several intersections. Collected data was used in traffic signal retiming tasks for Miami-Dade County.

*Cost/Fees Paid: \$57,918.14 – Construction Cost: N/A*

#### **SR-860/Miami Gardens Drive/NW 186<sup>th</sup> Street Intersection Quality Assessment, Miami-Dade County, Florida – FDOT, District 6**

Data Collection Technician: She obtained the traffic Data collection (72-Hr continuous traffic counts). The purpose of this task was to evaluate the location and determine the need for a traffic signal/pedestrian crossing at SR 860/Miami Gardens Drive/NW 186<sup>th</sup> Street. Furthermore, it was to assess the operational and safety conditions at this intersection and to make recommendations for improvements and/or further study if necessary.

*FM: 414052-2-32-01; Contract Number: C-9ASI; Task Work Order No.: 44. Cost/Fees Paid: \$7,613.00 – Construction Cost: Only Study.*

**HECTOR ROSARIO, EI**  
**WATER/REUSE MAIN, GRAVITY SEWER MAIN, FORCE MAIN, LIFT  
 STATION/PUMP STATION REHABILITATION, PERMITTING,  
 TRAFFIC STUDIES/TRAFFIC CALMING**

**EDUCATION**

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

**YEARS OF EXPERIENCE**

14 years

**YEARS WITH RJ BEHAR**

2017 – Present

**PROFESSIONAL REGISTRATIONS**

Engineer Intern #: 1100022580, 12/2018

**CERTIFICATIONS:**

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

**ENGINEERING EXPERIENCE**

Mr. Rosario is a skilled civil engineer with expertise in all facets of engineering, transportation projects, and construction management. He has prepared plans for several projects including resurfacing and lighting retrofit projects. He is knowledgeable regarding the collaboration between all team members in order to achieve a project timeline and the financial goals. He has been instrumental in ensuring the compliance of Company practices and OSHA regulations. Mr. Rosario has extensive knowledge of computer based design and project management software applications.

**RELEVANT EXPERIENCE****Lyons Park Neighborhood Improvement Project, Pompano Beach, Florida – City of Pompano Beach**

Project Designer responsible for the preparation of the stormwater design of the proposed improvements. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project intends to improve the drainage systems within the project area.

**Oakhill Culvert Replacement, Broward County, Florida – Town of Davie**

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

**Little Country Estates Stormwater Improvements, Broward County, Florida – Town of Davie**

Project Engineer who participated in the plan preparation, drainage calculations, quantities and cost estimates. . The scope of work was to prepare a drainage report analyzing the existing drainage system and provide recommendations to improve the flooding issues within the project area. Project Length: 175 acres

**Cypress Weir 1 (Gold4A) Relocation Design, Naples, Florida, South Florida Water Management District**

Project Engineer: He is working on plans preparation for both civil/site and structural plans. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir.

**Copans Road Wastewater Transmission System Design - City of Coconut Creek**

Project Engineer: He is worked on plans preparation for the wastewater lines and the civil and electrical plans for installation of a new magmeter. 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 NRWTP, and a rehabilitated force main from LS 12 to the connection from the Wynmoor Community, just west of the Florida Turnpike.

**NE 3<sup>rd</sup> Avenue from NE 54<sup>th</sup> Street to NE 58<sup>th</sup> Street Water Line Replacement, Miami-Dade County, Florida – Miami-Dade Water and Sewer Department**

Project Engineer preparing plans and specifications for design of an 8-inch ductile iron waterline owned by Miami-Dade Water and Sewer Department (WASD) though a Joint Project Agreement with the City. The project included approximately 1,300 linear feet of 8-inch zinc-coated ductile iron pipe and fittings.

**Turnpike Widening from Johnson Street to Griffin Road, Broward County, Florida – Florida Turnpike Enterprises**

Project Engineer who assisted with the pond siting report, prepared the drainage maps, cross sections, and calculations. RJ Behar is responsible for the Location Hydraulics Technical Memorandum, Stormwater Management Concepts Report, Pond Siting Report/Stormwater Management Alternatives Report and Stormwater Management Design Report. Project Length: 2.3 miles

**MS4 NPDES Stormwater Assessment Program, Miami-Dade County, Florida – City of Hialeah**

Project Engineer who assisted with preparing the City Stormwater Assessment Program and the permit's annual report. This permit covers all areas located within the political boundary of the City of Hialeah that is served by the MS4 owned or operated by the City. The purpose of this assessment program is to provide information for the City of Hialeah to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.



**Milling and Resurfacing of the Fleet and Police Parking Lots, Broward County, Florida – City of Coconut Creek**

Project Engineer who was responsible for plan preparation, quantities and cost estimates. The improvements to each parking lot included the addition of curb to some grass islands, bollards to protect lighting poles, replacing existing sidewalk that was in bad condition, adding root barriers to the trees in the police parking lot, extending the existing concrete ramp at the gate of the police parking lot to make it less steep, providing a new 8' sidewalk on a green area located on the south east corner of the Public Works parking lot, replacing the existing rubber car stops, removing all anchors from the public works parking. Project Length: Parking Lot

**Alhambra Place Drainage Improvements Study, Palm Beach County, Florida – City of West Palm Beach**

Project Engineer who assisted with the calculations, report exhibits and cost estimates. The scope of the work included field visits, data collection, evaluation of existing conditions, evaluation of possible alternatives to mitigate flooding conditions, and preparing a report with the summary of findings and recommendations. Among the alternatives studied were the use of French drains, adding additional inlets and increasing the size of existing outfalls. Length: 0.26 miles

**NW 29<sup>th</sup> Street and NW 31<sup>st</sup> Street Stormwater Master Plan Implementation for Construction Engineering Inspection Services, Miami-Dade County, Florida – City of Doral**

Senior Inspector: He responded to Requests for Information (RFI); performed shop drawing reviews; was on the site full time; inspected for safety and MOT; observed construction for compliance with plans; prepared weekly reports; attended progress meetings; attended the preconstruction meeting; verified quantities and reviewed/approved payment applications; and performed project close-out and certification.

**Pump Stations D-10 & D-11 Flow Analysis and Redesign, Construction Engineering Inspection Services – City of Fort Lauderdale Public Works Department**

Project Management/Inspector: He was responsible for administering and monitoring the construction for compliance with the plans, specifications and contract documents. He attends meetings, provides daily reports, reviews submittals, reviews MOT, monitors of daily operations, monitors testing and assisting with final closeout. The improvements include installation of new pump station equipment, sewer lining and repair, 150 ft of PVC force mains, with new pumps, new hatches, concrete rehabilitation, interior coating of the wet-well and valve vault, new discharge piping fittings and valves, control panel and electrical system upgrades and associated modifications.

*Cost/Fees: \$ 113,692.46 Construction Cost: \$1.5 million*

**NW 29<sup>th</sup> Street and NW 31<sup>st</sup> Street Stormwater Master Plan Implementation for Construction Engineering Inspection Services, Miami-Dade County, Florida – City of Doral**

Senior Inspector: He responded to Requests for Information (RFI); performed shop drawing reviews; was on the site full time; inspected for safety and MOT; observed construction for compliance with plans; prepared weekly reports; attended progress meetings; attended the preconstruction meeting; verified quantities and reviewed/approved payment applications; and performed project close-out and certification.

**Milling and Resurfacings Overlay Exhibits, Miami-Dade County, Florida – City of Doral**

Project Engineer who was in charge of plans preparation, preparing quantities and cost estimates for Milling and Resurfacing Exhibits for seven city street locations. The project is part of the City of Doral's Pavement Maintenance Program.

**TRAFFIC EXPERIENCE****Cobblestone Community Traffic Study, Broward County, Florida – Cobblestone Community**

Traffic Engineer: He was responsible for assisting with the collection of the traffic data for AM and PM peak hour and for the turning movement counts. He assisted with the preparation of the Traffic Analysis Report.

**Westward Drive Pedestrian Crossing Study, Miami-Dade, Florida – City of Miami Springs**

Traffic Engineer: He performed turning movement counts (TMCs) on five intersections to assess the viability of adding marked pedestrian crosswalks. Project Length: 0.85 miles

**SR 973/Galloway Road Speed Limit Sign Study, Miami-Dade County, Florida – FDOT, District 6**

Project Engineer: He was responsible for performing a field review of the study segment to ensure that existing speed limit signs were properly placed, had proper spacing, and checked for uniformity.

**Bird Road Speed Limit Study, Miami-Dade County, Florida – FDOT, District 6**

Project Engineer: He was responsible for performing a field review of the study segment to ensure that existing speed limit signs were properly placed, had proper spacing, and checked for uniformity.

**SW 27<sup>th</sup> Avenue/NW 27<sup>th</sup> Avenue Posted Speed Limit Study, Miami-Dade County, Florida – FDOT, District 6**

Project Engineer who performed a field review of the study segment to ensure that existing speed limit signs have proper placement, spacing, and uniformity.

**XAMARAH VELEZ SEDA****ROADWAY, STREETScape, SIDEWALKS, BIKE LANES, PARKING LOT  
PAVEMENT EVALUATION & REPAIRS, SIGNING AND MARKING/  
WAYFINDING SIGNAGE, PERMITTING, PARKS****EDUCATION:**

M.S. Engineering Management, Polytechnic University of Puerto Rico, San Juan, 2018

B.S. Civil Engineering, University of Puerto Rico, Mayagüez, 2015

**YEARS OF EXPERIENCE**

3 years

**YEARS WITH RJ BEHAR**

2 years

**ENGINEERING EXPERIENCE**

Ms. Seda-Velez is a young engineer currently working in design and plans preparation for miscellaneous civil engineering projects. She has experience with inspection and evaluation of structures. She is proficient in Microsoft Office Suite, Microsoft Project, AutoCAD Civil3D, Sketchup, Synchro, Primavera, VBA, Minitab17 and SAP2000. She works well under pressure, is self-supervising, and is team oriented.

**RELEVANT EXPERIENCE****NE 151<sup>st</sup> Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County**

Project Designer who is responsible for assisting with the plans preparation of roadway design, drainage design, signing and pavement markings, signalization, lighting, wetland assessment, and utility coordination. NE 151<sup>st</sup> Street is an off-system roadway bound by the Florida Greenbook, for its design criteria. Drainage design includes a series of interconnected French drains with drainage wells.

**I-95 at 6<sup>th</sup> Avenue South Final Design, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4**

Designer: She is assisting with the roadway plan's preparation.

**Charles Avenue from Main Highway to South Douglas Road, Miami-Dade County, Florida – City of Miami**

Project Designer: She assisted with plans preparation, drainage design plans and calculations. The scope of services included project management, investigation, roadway analysis and plans, signing and pavement marking, permitting, utility coordination, and civil engineering services necessary for roadway and drainage improvements.

**NW 102<sup>nd</sup> Avenue from NW 138<sup>th</sup> Street to NW 142<sup>nd</sup> Street, Miami-Dade County – City of Hialeah, Florida**

Project Designer. She is responsible for drainage design plans, signing and pavement marking plans, and cross sections. The scope of services for the improvements includes roadway plans, signing and pavement marking plans, drainage report and estimates of probable of construction cost. Project Length: 0.269 Miles

**SW 35<sup>th</sup> Avenue from SW 29<sup>th</sup> Street to SW 28<sup>th</sup> Street Roadway Improvements Project, Miami-Dade County, Florida – City of Miami**

Project Designer: She assisted with plans preparation, drainage design plans and calculations. The project scope of services included roadway milling and resurfacing, localized drainage improvements, ADA ramps where applicable, new sidewalk where required and new signing and pavement markings, utility coordination, and environmental permitting.

**SW 34<sup>th</sup> Avenue and SW 28<sup>th</sup> Street Intersection Improvements Project, Miami-Dade County, Florida – City of Miami**

Project Designer: She is assisting with plans preparation, drainage design plans and calculations. The project scope of services includes roadway milling and resurfacing, localized drainage improvements, ADA ramps where applicable, new sidewalk where required and new signing and pavement markings, utility coordination, and environmental permitting.

**NW 21<sup>st</sup> Court from NW 36<sup>th</sup> Street to NW 38<sup>th</sup> Street Roadway Improvements Project, Miami-Dade County, Florida – City of Miami**

Project Designer: She assisted with plans preparation, drainage design plans and calculations. The project scope of services included roadway milling and resurfacing, localized drainage improvements, replacement of damaged sidewalks and driveway approaches, ADA ramps where applicable, new sidewalk where required and new signing & pavement markings, utility coordination, environmental permitting.

**NE 3<sup>rd</sup> Avenue from NE 54<sup>th</sup> Street to NE 58<sup>th</sup> Street Roadway Improvements Project, Miami-Dade County, Florida – City of Miami**

Project Designer: She is assisting with plans preparation, drainage design plans and calculations. The project scope of services includes roadway milling and resurfacing, localized drainage improvements, replacement of damaged sidewalks and driveway approaches, ADA ramps where applicable, new sidewalk where required and new signing & pavement markings, utility coordination, environmental permitting.

**I-595 Mobility Hub Park and Ride Lot Modifications, Broward County, Florida – FDOT, District 4**

She assisted with assembling the plans for submittal.

JOYCE LEDAN, EI

**PAVEMENT EVALUATION & REPAIRS, SIGNING AND MARKING/  
WAYFINDING SIGNAGE, WATER/REUSE MAIN, GRAVITY SEWER MAIN,  
FORCE MAIN, PUMP STATION REHABILITATION, PERMITTING, PARKS**

**EDUCATION:**

B.S. in Civil Engineering, Florida Atlantic University, December 2019  
McFatter Technical College Drafting Program, December 2015

**YEARS OF EXPERIENCE**

3

**YEARS WITH RJ BEHAR**

1 – Present

**PROFESSIONAL REGISTRATIONS:**

Engineer Intern No. 1100023421, 2019

**ENGINEERING EXPERIENCE**

Ms. Ledan is a young engineer currently working in design and plans preparation for miscellaneous civil engineering projects. She has experience with AutoCAD Civil3D, and Synchro. She is currently preparing roadway plans in Microstation and calculating quantities.

**RELEVANT EXPERIENCE**

**Lyons Park Neighborhood Improvement Project Final Design, Broward County, Florida – City of Pompano Beach**  
Project Designer responsible for assisting with the plan's preparation of the stormwater design of the proposed improvements. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project intends to improve the drainage systems within the project area.

**Alhambra Place Drainage Improvement Study, Palm Beach County, Florida – City of West Palm Beach**

Project Designer: She was responsible for creating figures in AutoCAD for an existing conditions drainage map to be included in the drainage report.

**45 Year Community Development Block Grant, NW 7<sup>th</sup> Avenue and 3<sup>rd</sup> Court Drainage, Broward County, Florida – City of Hallandale Beach**

Project Engineer: was responsible for preparing the plans for roadway and drainage improvements. The project utilizes French drains to improve flooding conditions within the neighborhood.

**S-135 By-Pass Culvert Abandonment and Dike Repairs, Palm Beach County, Florida – South Florida Water Management District (SFWMD)**

Designer assisting with plan's preparation.

**Russian Colony and Seawall Expansion Programming Documents, Miami-Dade County, Florida – Town of Medley**

Project Designer: She is assisting with the plan's preparation.

**Charles Avenue from SW 37<sup>th</sup> Avenue to Main Highway, Miami-Dade County, Florida – City of Miami**

Project Designer: She assisted with plans preparation, drainage design plans and calculations. Scope of services includes project management, investigation, roadway analysis and plans, signing and pavement marking, permitting, utility coordination, and civil engineering services necessary for roadway and drainage improvements.

**Paint Bridges Nos. 940049 and 94082 (Rim Ditch) TWO #2, St. Lucie County, Florida – Florida Turnpike Enterprises**

Project Designer assisting with the plan's preparation for construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls.

**SW 136<sup>th</sup> Street from US-1 to Old Cutler Road, Miami-Dade County, Florida – Village of Palmetto Bay**

Project Designer: She assisted with plans preparation, drainage design plans and calculations. Scope of services includes project management, roadway analysis and plans, signing and pavement marking, permitting, utility coordination, and civil engineering services necessary for roadway and drainage improvements. She also attending the Public Meeting.

**I-95 at 6<sup>th</sup> Avenue South Final Design, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4**

Designer: She is assisting with the roadway plan's preparation.

**City Center and Traffic Signal Warrant Analysis, Broward County, Florida – City of Pembroke Pines**

Traffic Engineer: She assisted with the data collection of the AM and PM peak hour counts and for the turning movement counts. She then assisted with downloading the data from Synchro to obtain the calculations for the Signal Warrant Analysis Report.

**G-370 and G-372 Refurbishment Project Inspection, Palm Beach County, Florida – SFWMD**

Project Designer: She served as Project Designer and performed fields visit and prepared the quantities for rehabilitation of the double containment for the fuel tanks at two stormwater pump stations.



ANGEL MARINEZ

ROADWAY, STREETScape, SIDEWALKS, BIKE LANES,  
PARKING LOT**EDUCATION**

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

**YEARS OF EXPERIENCE**

1

**YEARS WITH RJ BEHAR**

2019 – Present

**ENGINEERING EXPERIENCE**

Mr. Marinez is a young engineer currently working in design and plans preparation for miscellaneous civil engineering projects. He has experience with AutoCAD Civil3D, and Microstation OpenRoads. He is currently preparing roadway plans in Microstation and calculating quantities.

**RELEVANT EXPERIENCE****SW 136<sup>th</sup> Street from US-1 to Old Cutler Road, Miami-Dade County, Florida – Village of Palmetto Bay**

Project Designer: He prepared the roadway design and geometrics, pavement signing and markings, assisted with the quantities for the asphalt. He quantified the impervious and pervious areas for post and predevelopment. The project involves roadway plans, pavement marking and signing plans, utility coordination, drainage design and permitting. The improvements will require milling and resurfacing of the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project is accommodating the proposed sidewalks and bicycle lanes in a right-of-way constrained corridor.

**SR 25/Okeechobee Rd from W. 7<sup>th</sup> Avenue to NW 36<sup>th</sup> Street, Miami-Dade County, Florida – Florida Department of Transportation (FDOT), District 6**

Project Designer: He assisted with plan revisions. The scope of work included milling and resurfacing, intersection island modifications and removals, upgrading pedestrian facilities to comply with ADA requirements, guardrail upgrades, signalization improvements, new signing and pavement markings and bridge railing upgrades. There were no drainage modifications within those limits. Special intersection lighting is scheduled for this intersection in the near future.

**I-95 at 6<sup>th</sup> Avenue South Final Design, Palm Beach County, Florida – FDOT, District 4**

Project Designer who assisted with plan revisions. The project also includes milling and resurfacing, adding bike lines, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure.

**NW 102<sup>nd</sup> Avenue from NW 138<sup>th</sup> Street to NW 142<sup>nd</sup> Street, Miami-Dade County, Florida – City of Hialeah**

Project Designer who assisted with plans preparation. The scope includes roadway reconstruction of a three-lane roadway with dual left turn lanes, curb and gutter type F, valley gutter, new sidewalks, combination of swale and exfiltration drainage systems, storm sewers, sodding, signing, pavement markings, signal plans and roadway lighting. The lighting design consisted of conventional cobra head lighting.

**LS-1801 Lakeside Community – Lakeshore Drive Repairs (Hurricane Irma), Miami-Dade County, Florida – Town of Medley**

Project Designer who assisted with plans revisions. Erosion control methods, pollution prevention precautions, and earthwork construction are included in the project. The scope included a comprehensive structural assessment report, identifying any seawall deficiencies along the whole perimeter of the Lakeside Community Center.

**Cypress Weir (GOLD4A) Relocation Design, Palm Beach County, Florida – South Florida Water Management District**

Project Designer who revised the CAD drawings and made corrections to the general notes. He implemented structural, mechanical, and electrical markups to the plans. The replacement structure will be based on SFWMD design and construction guidelines. The new structure will include three new slide/weir gates, a three-cell box culvert to be used as a bridge, new stilling wells, a 10 ft x 10 ft control room, communications and miscellaneous appurtenances. The bridge will be 24 ft wide.

**Planning and Conceptual Study for NW 106<sup>th</sup> Street, Miami-Dade County, Florida – Town of Medley**

Project Designer who assisted with plans preparations.





**NANETTE AKYAZ-GOMEZ**  
**ROADWAY, STREETScape, SIDEWALKS, BIKE LANES, PARKING LOT/  
 PAVEMENT EVALUATION & REPAIRS, SIGNING & MARKING/  
 WAYFINDING SIGNAGE; WATER & SEWER – SR. DESIGNER**

**EDUCATION**

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

**YEARS OF EXPERIENCE**

20 Years

**YEARS WITH RJ BEHAR**

2001 - Present

**ENGINEERING EXPERIENCE**

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

**RELEVANT EXPERIENCE**

**Pompano Beach Mobility Sidewalks, Broward County, Florida – Florida Department of Transportation (FDOT), District 4**

Project Designer responsible for preparing the roadway plans, signing and marking plans, and specifications. The scope of this project consists of providing pedestrian sidewalk connectivity along 3 local roads. The services include regrading grass swales and minor drainage modifications.

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

Designer. She is responsible for roadway design plans. The scope of the project included roadway design, Temporary Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, utility coordination, contamination assessment and wetland delineation/assessment. Project Length: 0.876 miles

**Haverhill Road from N. of Caribbean Boulevard to Bee Line Highway, Palm Beach County, Florida – Palm Beach County Roadway Division**

Project Designer: She is responsible for roadway design plans. The scope of services includes drainage improvements, signalization, pavement and marking, utility coordination and permitting. Project Length: 1.65 miles

**SR-76/SR-614/SR-5 Green-Colored Bicycle Lane Retrofit, Martin and St. Lucie County, Florida – FDOT, District 4**

Project Designer responsible for preparing the signing and marking plans. The scope of this project includes evaluating 34 locations for placement of green-colored bicycle pavement markings at conflict areas. Services include signing and marking modifications.

**Florida Mango Road over PBC L-2 Canal Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Designer for replacement of the Florida Mango Bridge over the L-2 Canal. She was responsible for the plan preparation of the utilities (water and force main) affected by the bridge replacement.

**Drexel Road Bridge Replacement, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production**

Project Designer responsible for preparing the roadway and drainage plans, signing and pavement markings, signal modifications, and Temporary Traffic Control Plans (TTCP).

**Design-Build for the Reconstruction of SE 3<sup>rd</sup> Street, Palm Beach County, Florida – FDOT, District 4**

Project Designer: She was responsible for the production of roadway plans, signing and pavement marking plans and quantities. The scope of this project included roadway plans, drainage design, signing and marking plans and utility relocation plans. The design included the use of filter fabric and a thick sub-base in lieu of demucking the roadway.

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

Roadway Designer who was responsible for the geometrics, signing and pavement markings, weir placement and grading of the channel and walkway, quantity calculations and cost estimates. The project consisted of reconstruction of a four lane divided highway, construction of a bridge, weir and walkway. Project length: 0.349 miles/bridge .007 miles.

**I-75/Griffin Road Interchange, Broward County, Florida – FDOT, District 4**

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

**US-1/SR-5, St. Lucie County, Florida – FDOT, District 4**

Roadway Designer who was responsible for the signalization plans.

**Palm Avenue from W. 45<sup>th</sup> Street to W.47<sup>th</sup> Street, Miami-Dade County, Florida – City of Hialeah**

Roadway Designer: She prepared the plans for milling and resurfacing. The project also included adding curb ramps to comply with ADA standards, replacing sidewalk, driveways and curb and gutter as needed, cleaning, sealing and adjusting drainage manholes and inlets and signing and pavement markings.

**SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4**

Roadway Designer: She was responsible for the preparation of roadway quantities, computation book and transport input. The scope included complete design for widening and resurfacing of 3 miles of a major arterial roadway, including drainage design, pavement marking and signing, overhead signing plans, lighting plans, seven signal locations, structural plans (bridge widening), a public involvement program and landscape improvements. Project length: 3 miles.

**SR-A1A Resurfacing Project, Palm Beach County, Florida – FDOT, District 4**

Project Designer for roadway improvements. She was responsible for the signing and marking plans. The project included major drainage study and improvements, milling and resurfacing, bridges, signal improvements, signing and marking plans

**SR-7/US-441 Roadway Lighting and NW 11<sup>th</sup> Place Pedestrian Lighting Improvements, Broward County, Florida – City of Lauderhill/FDOT, District 4; LAP Project**

Project Designer: She was responsible for the plans preparation. The scope of this project included milling and resurfacing, installation of decorative stamped concrete and asphalt, lighting, landscaping, and street furniture. This was a FDOT Local Agency Program (LAP) Project.

**E. 6<sup>th</sup> Avenue to E. 8<sup>th</sup> Avenue from Hialeah Drive to E. 5<sup>th</sup> Avenue, Miami-Dade County, Florida – City of Hialeah**

Project Designer: She was responsible for the plans preparation. The scope of this project consisted of roadway reconstruction and some roadway milling and resurfacing for a two-lane road, curb and gutter Type F, curb valley gutter, sidewalk, on-street parking, exfiltration drainage system, storm sewers, sodding, signing and pavement markings and roadway lighting.

**SR-5/US-1/Overseas Highway from Fontaine Drive to S. of Tavernier Creek Bridge, Monroe County, Florida – FDOT, District 6**

Project Designer responsible for the roadway plans: The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades. Enhanced traffic signal signage was required due to a high rate of accidents at the corridor's one signalized intersection. Additionally, the Typical Section was modified to accommodate bicycle lanes without widening.

**SR-934/East 4<sup>th</sup> Avenue Street Assessment, Miami-Dade County, Florida – City of Hialeah**

Roadway Designer: She was responsible for the drafting of driveways, sidewalks and ADA ramps; curb and gutter, drainage, pavement, and utilities. The scope consisted of general engineering services for the assessment of sidewalks, ADA compliance and cost estimate for repairs or reconstruction of sidewalks of two segments of this roadway.

**SR-5/US-1/Biscayne Boulevard Resurfacing from NE 199<sup>th</sup> Street to NW 213<sup>th</sup> Street, Miami-Dade County, Florida – FDOT, District 6**

Project Designer responsible for the production of the roadway plans. The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades.

**SR-5/US 1/Biscayne Boulevard Intersection Improvements, Miami-Dade County, Florida – FDOT, District 6**

Project Designer responsible for the production of the roadway plans. The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades.

**SR-5/Biscayne Boulevard from North of NE 121<sup>st</sup> Street to NE 151<sup>st</sup> Street, Miami-Dade County, Florida – FDOT, District 6**

Project Designer responsible for the production of roadway plans. The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian feature upgrades, with improved signalization configuration.

**NW 87<sup>th</sup> Avenue, Miami-Dade County, Florida – FDOT, District 6**

Roadway Designer: She assisted with roadway design and was responsible for quantities. The scope of services for this project included Roadway/Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, bridge construction, utility coordination, traffic study, traffic counts, traffic projections, and traffic warrants services.

**Wilde Park Improvements – City of Hialeah, Florida**

Roadway Designer: She prepared the site, paving and drainage design plans.

**Bucky Dent Park Improvements – City of Hialeah, Florida**

Roadway Designer who was responsible for the design to address flooding problems at the park.

## JAIME DELGADO

### UTILITY COORDINATION



#### EDUCATION

B.S. Graphic Design, Corporación Universitaria Taller Cin, Colombia, 1993

#### YEARS OF EXPERIENCE

27 Years

#### YEARS WITH RJ BEHAR

2018 – Present

#### ENGINEERING EXPERIENCE

At RJ Behar & Company, Mr. Delgado performs all of the utility coordination on all projects. He is responsible for locating, contacting, and organizing all of the Utility Owner's on the project. He is fluent in MicroStation and AutoCAD. He also performs graphic design. Additionally, he has been involved in traffic studies including 24 hour counts and turning movement counts.

#### RELEVANT EXPERIENCE

**Fiber Optic Communication Cable for Various Locations, Broward County, Florida – Florida Department of Transportation (FDOT), District 4**

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

**NW 21<sup>st</sup> Court from NW 36<sup>th</sup> Street to NW 38<sup>th</sup> Street, Miami-Dade County, Florida – City of Miami**

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

**Oakhill Culvert Replacement SW 142<sup>nd</sup> Street and SW 17<sup>th</sup> Street, Broward County, Florida – Town of Davie**

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

**Pedestrian Lighting Design, Broward County, Florida – City of Coconut Creek**

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

**NW 102<sup>nd</sup> Avenue from NW 142<sup>nd</sup> Street to NW 145<sup>th</sup> Place, Miami-Dade County, Florida – City of Hialeah**

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

**SW 136<sup>th</sup> Street from US-1 to Old Cutler Road, Miami-Dade County, Florida – Village of Palmetto Bay**

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

**Stormwater Improvements Area West of Hiatus Road Little Country Estates & Grove Estates, Broward County, Florida – Town of Davie**

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

#### OTHER RELEVANT EXPERIENCE

**Emergency Operations Center (EOC) Broward County – Traffic Study – Broward County HCDE**

Data Collection Technician: He performed the traffic counts including turning movements counts at the following locations: Pine Island Road and County Campus Boulevard; NW 84<sup>th</sup> Avenue and County Campus Boulevard; and County Campus Boulevard at the entrance to Broward County EOC.

**City Center and Traffic Signals Warrant Analysis – City of Pembroke Pines, Florida**

Data Collection Technician: He performed the traffic counts including turning movements counts

**Cobblestone Community Traffic Study, Broward County, Florida – Cobblestone Community**

Data Collection Technician: He performed the traffic counts including turning movements counts. A Traffic Analysis Report was provided.



## ALEJANDRO MEDINA

## CONSTRUCTION ENGINEERING/MANAGEMENT/ ADMINISTRATION/LAP



## EDUCATION

Degree in Engineering Public Works Constructions, Technical University of Madrid, Spain, Sept 2007  
Degree in Civil Engineer, IPJAE, Cuba, June 1981

## YEARS OF EXPERIENCE

35 Years

## YEARS WITH RJ BEHAR

2016 – Present

## OFFICE LOCATION

Miami Lakes

## CERTIFICATIONS:

- Advanced Maintenance of Traffic
- Asphalt Paving I & II
- Earthwork I & II
- Drilled Shaft
- FDOT Concrete Level I
- ACI Concrete Field Technician Level I

## TIN #: M352010561001

- IMSA Traffic Signal Technician
- FDOT Critical Structures
- APNGA Portable Nuclear Gauge Safety & Hazmat Certification
- Stormwater Pollution Prevention Inspector

## ENGINEERING EXPERIENCE

Mr. Medina is a graduated Civil Engineer with years of experience in the execution of public works projects and construction management. He is the Co-author of the book "Geometric Design of Highways" being edited and wrote computer systems for the design and calculation of Embankments, Drainage and Elements of Highway Geometrics. He has experience in construction projects involving drainage and roadway. He has experience with Visual Basic.net, Auto CAD, Microstation, MicroSoft Office. He speaks Spanish, English and Italian standard level conversation, written and technical.

## RELEVANT EXPERIENCE

**Seawall Design at Tobie Wilson Park, Miami-Dade County, Florida – Town of Medley**

Senior Inspector who assisted with the construction inspection of the seawall. The scope of work will include construction of approximately 850 feet of a new bulkhead wall located along the south bank of the Miami Canal. Project Length: 850'

**Pump Stations D-10 and D-11 Construction Inspection, Broward County, Florida – City of Ft. Lauderdale**

Senior Inspector: He was responsible for overseeing the Contractors work, maintained accurate daily records, monitored the Maintenance of Traffic (MOT), prepared a punchlist and provided it to the City, verified substantial completion and that the project was built satisfactorily, provided all reports and deliverables. This project consisted of rehabilitating the City of Fort Lauderdale's sewage pumping Stations D-10 and D-11 and associated wastewater system components. The work consisted of demolishing and removing existing structures, piping and equipment; cleaning, rehabilitating, and painting existing structures; construction of new gravity sanitary sewers, manhole and a valve vault; installation of new submersible sewage pumps, piping, appurtenances; electrical and control systems; and all restoration. Cost/Fees: \$ 113,692.46  
Construction Cost: \$1.5 million

**Pine Island Road from Nova Drive/SW 24<sup>th</sup> Street to SR-84/I-595, Broward County, Florida – Broward County Highway Construction & Engineering**

Senior Roadway Inspector who filled in on the project. He performed field inspections on daily work activities; performed daily Inspections of MOT lane closures and MOT devices; conducted routine daily field inspections of overall work progress throughout project limits; inspected the erosion control devices. The scope involved reconstruction from a four lane to a six lane divided roadway, including bicycle lanes, milling and resurfacing, water main relocations, new storm drainage system including outfalls, canal dredging, rip rap rubble slope & out fall protection; 7 new mast arm traffic signals with video detection, interconnect system, and countdown pedestrian signals. **"Complete streets" project** features include new sidewalks with curb & gutter on both sides of the roadway corridor, new ADA curb ramps, aluminum handrails for drop-off protection (as needed), driveway modifications, signing & pavement markings, landscaping, and a new irrigation system. Cost/Fees Paid: \$996,112.52 Construction Cost: \$7,061,924.78; Project Length: 1 mile

**Landscape Median Project CEI Services, Broward County, Florida – City of Tamarac**

Senior Inspector in charge of overseeing the construction of the landscape project. He was responsible for producing daily reports, attending meetings, verifying that the Contractor was building the project according to the correct specifications. The scope included additional tree planting, removal of old irrigation and replacement with new irrigation. Cost/Fees Paid: \$52,976.00; Construction Cost: \$391,591.37 (Estimated); Project Length: 5 Miles



### **Wiles Road from West of Rock Island Road to SR-7/US-441, Broward County, Florida – Broward County Highway Construction & Engineering**

Roadway Inspector. He started on the project on 10/2018 to assist with the final inspections and close out of the project. He was responsible for daily inspections; daily inspections of MOT lane closures and MOT devices; documenting field changes from utility conflicts; conducting routine daily field inspections of overall work progress throughout project limits; and performing daily inspections of erosion control devices. The scope involved reconstruction from a four lane to a six lane divided roadway, including bicycle lanes, milling and resurfacing, new mast arm signals with video detection upgrades at the intersections; two solar powered mast arms for school zone flashers, wider pedestrian-friendly 6 foot sidewalks, storm drainage improvements, street and pedestrian lighting improvements, landscaping, irrigation, and new signing and thermoplastic pavement markings. Cost/Fees Paid: \$1,066,478.77 Construction Cost: \$10,632,710.79; Length: 1.1 miles

### **Miami Dade County Drainage Projects, Miami-Dade County, Florida – Miami-Dade County Department of Transportation and Public Works**

Construction Inspector responsible for maintaining complete and accurate records of all activities and events related to the project; keeping the daily project journal, including maintaining accurate records of the contractor's operations, quantities installed, sampling and testing data, project photo and video documentation; review of Work Zone traffic control plan design, implementation, and inspection of maintenance of traffic schemes and devices in work zones to assure they are in accordance with the County's requirements; properly documenting all significant Project changes; interpreting plans, specifications, and construction contract provisions; reviewing and keeping project as-builts current and up to date, making recommendations to the County to resolve disputes; and assisting with the project closeout. RJ Behar is providing Miami-Dade County Department of Transportation and Public Works with consulting inspection services associated with multiple drainage improvement sites throughout the county. Cost/Fees Paid: \$200,000.00; Construction Cost: \$2,000,000.00 (Est.)

### **SW 22<sup>nd</sup> Terrace Improvements, Miami-Dade County, Florida – City of Miami**

Senior Inspector in charge of documenting, reviewing and inspecting daily construction activities as well as conducting meetings with the contractor, informing the public about construction progress and producing the final estimates; monitoring the Contractor's work and assure that the Contractor conducted inspections, prepared reports, and monitored all stormwater pollution prevention measures associated with the project. He conducted Substantial Completion Inspections; coordinated, conducted, and documented the substantial completion inspection; notified all project team members of the date of substantial completion inspection; prepared and distributed the punch list format to the parties conducting the inspection; reviewed progress of corrective action on punch list items, periodically updated, and reissued; identified tentative date of substantial completion, and prepared and issued Certificate of Substantial Completion with a list of stated qualifications. He performed Final Completion including: Receiving and reviewing the Contractor's required final completion submittal; Developing the final completion submittal checklist; Verifying submittal of all required documents and reviewing for completeness and compliance with Contract provisions; and Notifying the Construction Project Manager, Contractor, and other affected parties of date of final inspection. Cost/Fees: \$27,588 Construction Cost: \$259,087.80; Project Length: 0.497 miles

### **SW 27<sup>th</sup> Street from SW 27<sup>th</sup> Avenue to SW 32<sup>nd</sup> Avenue, Miami-Dade County, Florida – City of Miami**

Senior Inspector: His duties include 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; making recommendations to the City to resolve disputes; and maintaining an adequate level of surveillance of Contractor activities. All documentation complies with standard City procedures, formats, and content. He reviews of Work Zone traffic control plan design, implementation, and inspection of maintenance of traffic schemes and devices in work zones. Cost/Fees Paid: \$ 61,927.80 - Construction Cost: \$ 377,488.42

### **Grove Park Roadway Improvements, Miami-Dade County, Florida – City of Miami**

Construction Inspector responsible for maintaining complete and accurate records of all activities and events related to the project; keeping the daily project journal, including maintaining accurate records of the contractor's operations, quantities installed, sampling and testing data, project photo and video documentation; review of Work Zone traffic control plan design, implementation, and inspection of maintenance of traffic schemes and devices in work zones to assure they are in accordance with the City's requirements; properly documenting all significant project changes; interpreting plans, specifications, and construction contract provisions; making recommendations to the City to resolve disputes; maintaining an adequate level of surveillance of Contractor activities; assisting with the project closeout. The project scope includes the roadway improvements, including milling and resurfacing, reconstruction, drainage, sidewalk repairs, ADA ramp upgrades, pavement markings and roadway signage, striping, and sodding. Cost/Fees Paid:\$110,040.00; Construction Cost: \$1,100,000.00.

**LOGAN FASANELLA**  
**CONSTRUCTION ENGINEERING/MANAGEMENT/**  
**ADMINISTRATION/LAP**

**EDUCATION**

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

**YEARS OF EXPERIENCE**

8 Years

**YEARS WITH RJ BEHAR**

2015 – Present  
2006 - 2010

**OFFICE LOCATION**

Pembroke Pines

**CERTIFICATIONS**

- Advanced Maintenance of Traffic
- Earthwork Construction Inspection I & II
- Asphalt Paving Technician Level I & II
- FDOT Critical Structures Construction Issues
- FDOT Concrete Field Technician Level 1
- ACI Concrete Level I
- ACI Concrete Transportation Construction Inspector II
- Pile Driving
- Drilled Shaft Inspector
- IMSA Traffic Signal Inspector Level I

**TIN #:** F254533883350

- IMSA Traffic Signal Technician Level I
- Level I Multistrand & Grouted PT Installation
- Stormwater Erosion Sedimentation Control Inspector
- Final Estimates Level I & II
- Hazmat/Nuclear Radiation
- FDOT MSE Walls Certification
- FDOT Wage and Labor Training
- CSX Roadway Worker Protection
- MAC Computer-Based Training

**ENGINEERING EXPERIENCE**

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

**RELEVANT EXPERIENCE****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. Length: 1.29 miles

**Davie Road Phase II Local Agency Program (LAP) CEI Services, Town of Davie/Florida Department of Transportation (FDOT), District 4/Broward County**

Inspector: He is performing daily inspections, producing weekly reports, monitoring the contractor's pay items, attending progress meetings, monitoring shop drawings and RFIs, performing Temporary Traffic Control Plan Reviews including the coordination of lane closures, and conducting the material sample reviews. Cost/Fees Paid: \$297,438.25 - Construction Cost: \$2,433,873.04 Contractor: Weekley Asphalt Paving, Inc.; Project Length: 0.89 miles

**Miami Dade County Drainage Projects, Miami-Dade County, Florida – Miami-Dade County Department of Transportation and Public Works**

Construction Inspector responsible for maintaining complete and accurate records of all activities and events related to the project; keeping the daily project journal, including maintaining accurate records of the contractor's operations, quantities installed, sampling and testing data, project photo and video documentation; review of Work Zone traffic control plan design, implementation, and inspection of maintenance of traffic schemes and devices in work zones to assure they are in accordance with the County's requirements; properly documenting all significant Project changes; interpreting plans, specifications, and construction contract provisions; reviewing and keeping project as-builts current and up to date, making recommendations to the County to resolve disputes; and assisting with the project closeout. RJ Behar is providing Miami-

Dade County Department of Transportation and Public Works with consulting inspection services associated with multiple drainage improvement sites throughout the county. Cost/Fees Paid: \$200,000.00; Construction Cost: \$2,000,000.00 (Est.)

**Grove Park Roadway Improvements CEI, Miami-Dade County, Florida**

Inspector responsible for maintaining complete and accurate records of all activities and events related to the project; keeping the daily project journal, including maintaining accurate records of the contractor's operations, quantities installed, sampling and testing data, project photo and video documentation; review of Work Zone traffic control plan design, implementation, and inspection of maintenance of traffic schemes and devices in work zones to assure they are in accordance with the City's requirements; properly documenting all significant project changes; interpreting plans, specifications, and construction contract provisions; making recommendations to the City to resolve disputes; maintaining an adequate level of surveillance of Contractor activities; assisting with the project closeout. The project scope includes the roadway improvements, including milling and resurfacing, reconstruction, drainage, sidewalk repairs, ADA ramp upgrades, pavement markings and roadway signage, striping, and sodding. Cost/Fees Paid: \$110,040.00; Construction Cost: \$1,100,000.00

**Broward Boulevard from Pine Island Road to I-95, Broward County, Florida – Florida Department of Transportation (FDOT), District 4**

Inspector responsible for overseeing the paving, concrete, drainage, and signalization work operations on the project. The project scope consists of providing transit infrastructure elements to support initiatives for a new express bus service along Broward Blvd./SR-842 from the Broward West Regional Terminal in Plantation near Pine Island Rd. to I-95 in Fort Lauderdale. Six intersections along SR-842 will be improved: SR-817/University Dr., Fig Tree Lane, SW 54<sup>th</sup> Ave., East Acre Dr., NW 24<sup>th</sup> Ave., and SW 22<sup>nd</sup> Ave. Additional project activities will occur within the West Regional Terminal Park & Ride Lot – including new sidewalk, ADA improvements, crosswalks, curb ramps, bus pad improvements, signing and pavement markings, minor drainage improvements, guardrail replacement, pedestrian detector signals, installation of a new GPS system in all existing controller cabinets at all signalized intersections, milling and resurfacing, and median modification to provide a bus-only left turn at SW 22<sup>nd</sup> Avenue. Project Length: 5.75 miles; Cost/Fees Paid: \$70,845.30; Construction Cost: \$713,287.00 (Est.)

**SW 212<sup>th</sup> Street Drainage, Local Agency Program (LAP) Project, CEI, Miami-Dade County, Florida – Town of Cutler Bay**

Inspector Aide: He performed inspections to verify that all punch list items were resolved. The work included milling and resurfacing, new curb and gutters, ADA compliant curb ramps, signing, and pavement markings, replacement of damaged sidewalk flags, and the installation of a solar-powered pedestrian beacon (rapid-flashing). Cost/Fees Paid: \$70,514.80 Construction Cost: \$727,590.87 Project Length: 0.34 Miles

**US-1/Federal Highway Beautification, LAP Project, CEI, Delray Beach, Florida – City of Delray Beach**

Inspector Aide: He was responsible for checking the dimensions of the sign panels to make sure they comply with the MUTCD and FDOT Design Standards, pre and post installation. This project includes widening for a street parking area, the addition of a 4-foot bike lane, new turn left turn lane, new sidewalks, curb and gutter, decorative lighting, milling and resurfacing, including some overbuild areas, pavement markings, drainage modifications, construction of bulb-outs in the radius returns of the side streets, sidewalks, new traffic signal loops at all intersections, new underground traffic signal interconnect system, irrigation, and landscaping. Project Length: 2.4 miles; Cost/Fees Paid: \$1,443,471.25 Change Orders: 3=\$240,052.00 Construction Cost: \$12,486,967.77

**NW Neighborhood Phase III Sistrunk Boulevard CEI, Broward County, Florida – FDOT, District 4**

Inspector who is responsible for overseeing the roadway improvements and pedestrian features, including milling and resurfacing of all traffic lanes, new pavement markings, installation of pedestrian crossings, new concrete sidewalk with ADA compliant access ramps at the pedestrian crossings; new curbing; new drainage system (catch basins, exfiltration trench and other drainage items) within the project area; new pedestrian lighting (light fixtures, electrical wires, and poles) along the pedestrian pathways in the NW area; Landscaping within the project area. Project Length: 0.295 miles Cost/Fees Paid: \$100,000.00 Construction Cost: \$1,398,239.78 (Estimated).

**Design Build Taft Street, Broward County, Florida - City of Pembroke Pines**

Inspector who was responsible for overseeing the milling and resurfacing. Project Length: 0.94 miles Cost/Fees Paid: \$142,500.00 Construction Cost: \$1,624,390.17

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

Inspector who shadowed the Senior Inspector who oversaw all of 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. Cost/Fees Paid: \$40,438.96. Project Length: Intersection

**ZUGEIL VELEZ**  
**CONSTRUCTION ENGINEERING/MANAGEMENT/  
 ADMINISTRATION/LAP**

**EDUCATION**

A.A. English for Speakers of Other Languages, Inter American University of Puerto Rico-San German, 2010

**YEARS OF EXPERIENCE**

1

**YEARS WITH RJ BEHAR**

1

**CERTIFICATRIIONS**

FDOT Resident Compliance Specialist CBT Training

FDOT Equal Opportunity Compliance Training

FDOT SCAT Certification

FDOT FHWA Emergency Relief Program Training for Local Agencies – Scheduled 5/14/2019

FDOT LAP Construction Checklist, Specifications & Greenbook Training

**TIN#:** V425980826260**ENGINEERING EXPERIENCE**

Ms. Velez is involved in ensuring the goals of the anticipated Disadvantage Business Enterprise (DBE) statement are achieved per established Federal and State regulations, which necessitates monthly examining of payments to the prime contractor and/or subcontractors. She aids the Office Support Specialist with Site-management entries, as well as monthly progress estimates. Ms. Velez assists the Project Engineer by preparing and processing weekly reports, monthly progress reports, standard weather letters, Laboratory Information Management System (LIMS) data entries and monthly invoicing and uploading all documentation into the LAP-IT program for FDOT. She also serves a Public Information Officer on multiple projects, assisting with fliers, community awareness, and public meetings.

**RELEVANT EXPERIENCE**

**Citywide Pedestrian Safety Project, Broward County, Florida – City of Dania Beach/Florida Department of Transportation (FDOT)/Federal Highway Administration (FHWA)**

Resident Compliance Specialist: She is assisting the City in complying with all State and Federal Equal Employment Opportunity (EEO) requirements as they apply to this project, including the provisions of the U.S. Department of Transportation (USDOT), the FHWA and the U.S. Department of Labor (DOL). Her duties include conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, review and file certified payrolls as well as loading all documentation into FDOT LapIT. Project Length: Multiple Sites

**NW 60<sup>th</sup> Avenue Bicycle/Pedestrian Improvement Project, Miami-Dade County, Florida – Town of Miami Lakes/FDOT, District 6/FHWA**

Resident Compliance Specialist: She is assisting the City in complying with all State and EEO requirements as they apply to this project, including the provisions of the USDOT and the FHWA. Her duties include conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, review and file certified payrolls as well as loading all documentation into FDOT LapIT.

**Colbert Elementary School Safe Routes to School, Broward County, Florida – City of Hollywood/Florida Department of Transportation (FDOT), District 4/Federal Highway Administration (FHWA)**

Resident Compliance Specialist: She is assisting the City in complying with all State and Federal Equal Employment Opportunity (EEO) requirements as they apply to this project, including the provisions of the U.S. Department of Transportation, the Federal Highway Administration, and the U.S. Department of Labor. Her duties include conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, review and file certified payrolls as well as loading all documentation into FDOT LapIT.

**Gulfstream Elementary Complete Streets Project, Miami-Dade County, Florida – Town of Cutler Bay/FDOT, District 6/FHWA**

Resident Compliance Specialist: She is assisting the City in complying with all State and Federal Equal Employment Opportunity (EEO) requirements as they apply to this project, including the provisions of the U.S. Department of Transportation, the Federal Highway Administration, and the U.S. Department of Labor. Her duties include conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, review and file certified payrolls as well as loading all documentation into FDOT LapIT.



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**Miami Lakes Elementary School Safe Routes to School Project, Miami-Dade County, Florida – Town of Miami Lakes/FDOT, District 6/FHWA**

Resident Compliance Specialist: She is assisting the City in complying with all State and Federal Equal Employment Opportunity (EEO) requirements as they apply to this project, including the provisions of the U.S. Department of Transportation, the Federal Highway Administration, and the U.S. Department of Labor. Her duties include conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, review and file certified payrolls as well as loading all documentation into FDOT LapIT.

**Miramar Parkway Streetscape from 68<sup>th</sup> Avenue to 64<sup>th</sup> Avenue, Construction Inspection Services, Broward County, Florida -City of Miramar/FDOT, District 4/Federal Highway Administration**

Resident Compliance Specialist: She is assisting the City in complying with all State and Federal Equal Employment Opportunity (EEO) requirements as they apply to this project, including the provisions of the U.S. Department of Transportation, the Federal Highway Administration, and the U.S. Department of Labor. Her duties include conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, review and file certified payrolls as well as loading all documentation into FDOT LapIT. Project Length: 0.58 miles

**Overhead Flashing School Zone Signs CEI Services, Palm Beach County, Florida – Palm Beach County Roadway Division/FDOT, District 4**

Resident Compliance Specialist: She is responsible for reviewing weekly certified payrolls, maintaining compliance files and spreadsheets, and making certain the contractor conforms to all project EEO/AA requirements. Her responsibilities also include uploading all documentation into the LAP-IT program for FDOT as well as checking the DBE contractor's payments into the EOC system. Project Length: Multiple Sites

**Saga Bay Sub-Basin, Miami-Dade County, Florida – Town of Cutler Bay**

Administrative Assistant who monitored contractor pay items, held progress meetings, prepared the meeting agendas, processed payment applications, monitored shop drawings and RFIs, performed Temporary Traffic Control Plan Reviews including the coordination of lane closures, carried out the stormwater pollution prevention plan site reviews, per NPDES requirements. She also completed the final close-out of the project.

**Nova Drive Roadway Improvements, Broward County, Florida – Town of Davie**

Administrative Assistant: She is responsible for assisting with the project documentation, maintaining and organizing contract documentation, preparing meeting minutes, attending all progress meetings, processing Shop Drawings, organizing and filing all RFI's, and assisting with the closeout documentation. Project Length: 1.29 miles

**Davie Road Phase II Local Agency Project (LAP) Project, Broward County, Florida – Town of Davie/Florida Department of Transportation (FDOT), District 4/Broward County Construction and Highway Division**

Assistant Resident Compliance Specialist: She is responsible for scanning and uploading all project documentation, maintaining and organizing contract documentation, preparing meeting minutes, assisting with the closeout out documentation, attending all FDOT project audits, conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, and review and file certified payrolls. Project Length: 0.89 miles

**Manta Drive Improvement LAP Project, Miami-Dade County, Florida – Town of Cutler Bay/FDOT, District 6**

Assistant Resident Compliance Specialist: She is responsible for scanning and uploading all project documentation, maintaining and organizing contract documentation, preparing meeting minutes, attending all FDOT project audits, conducting labor interviews, performing monthly jobsite Bulletin Board inspections, reviewing sublets, and subcontracts, July Reports, and review and file certified payrolls. Project Length: 1,000 LF



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 250 S.W. 13<sup>th</sup> Avenue  
 Pompano Beach, FL 33069

### Mark A. Mesiano, P.E. Principal Engineer



#### Education:

B.S. Civil Engineering,  
 University of South Florida,  
 1990

#### Professional Registration:

Professional Engineer, Florida  
 Registration No. 48202

Professional Engineer,  
 Colorado, Registration No.  
 31593 (inactive)

#### Technical Certifications:

- Florida DOT Pre-stressed Concrete Inspector
- Radiation Safety Officer and Instructor, PSI, Inc.
- Structural Masonry Inspector, FL Concrete & Products Association (expired)

Mr. Mark A. Mesiano, PE. has over 25 years of experience in the construction industry. He has extensive experience in project management for all phases of construction. His expertise includes geotechnical engineering, environmental engineering, construction materials testing, building inspections, and roof testing/inspections. Under geotechnical engineer, he has extensive experience in soil exploration and design of deep and shallow foundation systems in all types of soils for projects ranging from swimming pools, multi-story buildings, roadway, ports, and airport projects. He also has experience in ground modifications including but not limited to vibro-flotation, vibro-replacement (stone columns), deep dynamic compaction, and pressure grouting. His deep foundation experience includes monitoring/inspection of auger cast piles, helical piles, pin piles, drilled shafts/caissons, and pile load testing. The following are just a few representative projects with a focus on geotechnical engineering:

#### Select Projects:

- Tampa International Airport (1987) – Resident Inspector responsible for inspections and testing of Airside “F” Terminal Building, Airside “F” ATS, and Airside “F” Loading Bridge Caissons (drilled shaft foundations)
- Representative Mass Earthwork Projects
  - E470 Highway Project; Colorado (1995-1997) - Resident Project Manager/PE for all QC testing of Soils, Concrete & Asphalt for Segments I, II, and III (29 miles of 4 lane toll highway, with 30 bridge structures)
  - TECO Polk Power Plant; Tampa (1988) - Project manager for soils and earthwork testing for the rock quarries conversion into power plant site
  - Florida Power Hines Energy Complex Power Plant; Bartow (1989) - Project manager for soils and earthwork testing for the rock quarries conversion into power plant site
- Plantation Oaks Elementary (School "Z"); Orange Park (2006) - Geotechnical exploration (SPT borings and foundation recommendations) for a new elementary school site
- Hotel Indigo; Jacksonville (2007) – Project manager of construction for new hotel including monitoring of ground modifications (vibro-replacement/ stone columns) foundations
- Crosstown Parkway Extension; Port Saint Lucie (2008) – Project manager for construction materials testing including of onsite monitoring of pile driving at I-95 overpass
- Becker Road Extension; Port Saint Lucie (2008) – Project manager for construction materials testing including of onsite monitoring of pile driving at I-95 interchange



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Mark A. Mesiano, P.E.

### Technical Certifications Continued:

- Nuclear Gauge Training and Safety, Earthworks Instrumentation, Inc.
- Concrete Field Testing Technician - Level I, American Concrete Institute (expired)
- Certified Engineering Technician - Level II Soil, Concrete, Asphalt Testing, National Institute for Certification in Engineering Technologies (NICET) (inactive)

### Select Projects Continued:

- SRD Building Corp.; S. Florida (2009-2015) - Geotechnical exploration (SPT borings and foundation recommendations) for numerous high end custom 5000-7000sqft footprint 2-3 story single family homes
- Bomar Builders; S. Florida (2009-2015) – Seismic analysis (seismograph monitoring) during demolition of numerous single family homes
- Florida Foundations; S. Florida (2009-2015) - Geotechnical exploration (SPT borings and foundation remediation recommendations) for underpinning of various structures (houses, additions, walls, etc.) with settlement issues
- Bodax Foundations; S. Florida (2009-2015) – Installation monitoring of auger cast, helical and pin pile installation for new construction and underpinning of existing structures with settlement issues
- Pompano Downtown Connectivity Project (RFP # ); Pompano Beach (2012) - Included 2 phases of geotechnical & hydrogeological exploration (SPT borings, exfiltration tests, auger borings) and laboratory testing (LBRs, organic content, sieve analysis, etc.) for new roadway widening, pipe beddings, drainage design, temporary shoring design, dewatering, etc.
- Port Everglades Southport Container Yard (RFP # R1171027P1); Fort Lauderdale (2013-2015) - Included 3 phases of geotechnical & hydrogeological exploration (SPT borings, exfiltration tests, auger borings) and laboratory testing (LBRs, atterberg limits, organic content, sieve analysis, etc.) over 2 years for site development, structures/facilities, roadway, drainage, etc.
- City of Miramar Honey Hill Drive; Miramar (2015) – Geotechnical & hydrogeological exploration (SPT borings & exfiltration tests) for proposed roadway expansion
- Carter Building; Delray Beach (2015) – Geotechnical exploration (SPT borings and foundation recommendations) for proposed multi-story commercial building over parking
- American Generator Services Warehouse; Davie (2015) – Geotechnical exploration (SPT borings and foundation recommendations) for proposed warehouse building
- SW 13th Street & Flamingo Road Residences; Davie (2015) - Geotechnical exploration (SPT borings and foundation recommendations) for four (4) single family residential homes
- Village at Crystal Lakes Commercial Buildings; Deerfield Beach (2015) - Geotechnical & hydrogeological exploration (SPT borings & exfiltration tests) for proposed 4 multi-story commercial buildings
- Parkland Bay Lake Reclamation; Parkland (2015-Ongoing) – Project management/quality assurance for the City of Parkland for converting an existing lake into residential home sites including oversight of dredging, surcharging to consolidate silt layers, wick installation, settlement plates, etc.



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### Professional Certifications:

- CTQP Earthwork Constr. Inspection – Level 1
- CTQP Concrete Field Technician – Level 1
- CTQP Qualified Sampler Technician
- CTQP Aggregate Base Testing Technician
- CTQP Concrete Lab Technician – Level 1
- CTQP LBR Technician
- ACI Aggregate Testing Technician – Level 1
- ACI Aggregate Base Testing Technician
- ACI Concrete Laboratory Testing Technician- Level 1
- ACI Concrete Strength Testing Technician
- ACI Concrete Field Testing Technician – Grade I
- Florida Structural Masonry Inspector
- Georgia Structural Masonry Inspector
- Georgia Erosion Control Inspector Level I B
- 40 Hour OSHA
- Nuclear Gauge Training
- Radiation Safety
- Nuclear Gauge Operation
- Nuclear Gauge Transport

### PAUL M. TENINTY CMT Field & Laboratory Supervisor

Mr. Teninty has over 25 years of construction materials testing, inspection and construction related experience. He is highly skilled in supervising all work, paperwork, equipment, etc. for field & laboratory technicians in regards to construction materials testing, laboratory testing, and inspection/monitoring projects. His expertise includes performing testing and laboratory work as needed, including compaction testing, various types of concrete testing, structural masonry inspections, piling inspections (pin, helical, auger cast, etc.), vibro-replacement/flotation inspections, demucking inspections, earthwork monitoring, roof uplift testing, field fastener withdrawal resistance testing, and various types of soil/concrete laboratory testing including organic content determination, grain size analysis, moisture density (proctor) tests, Limerock Bearing Ratio (LBR) tests.

### Select Projects:

- Ft. Lauderdale International Airport Parking Garage – Piling Inspector for Driven/Auger-Cast/Drilled Shaft
- Broward Regional Park, Lauderhill, Florida – Soil Testing Technician, density testing for large park with amphitheater, playing fields, etc.
- Silver Falls at Miramar, Florida – Earthwork Inspector (full time) for 275 acres of site development
- Botanica, Jupiter, Florida – Resident Earthwork Inspector for 300-400 acres of site development
- Home Depot, various locations – Project Manager for testing and inspections
- Belk Department Store, various locations – Project Manager for testing and inspections
- CVS Pharmacy, various locations – Project Manager for testing and inspections
- Bodax Foundations, various projects in Broward, Dade, & Palm Beach Counties, Monitoring Installation of Helical Piles and Auger Cast Piles
- Florida Foundation Systems, various Projects in Broward, Dade, & Palm Beach Counties, Monitoring Installation of Pin Piles, Helical Piles and Auger Cast Piles



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**PRESTON R. NEVINS**

**Field Technician**

### Experience:

3/2006 – Present Florida Engineering & Testing, Inc.  
 Pompano Beach, Florida  
 Field Technician

### Representative Projects:

Project: Central Broward Regional Park, Lauderhill, Florida  
 Contractor: Seawood Builders  
 Description: Density, Soil Sampling and Concrete Testing

Project: Broward County North Regional Wastewater Facility, Pompano Beach, FL  
 Contractor: Hazen & Sawyer  
 Description: Density, Soil Sampling and Concrete Testing

Project: Lakeside Village, Davie, Florida  
 Contractor: Klemow, Inc.  
 Description: Density, Soil Sampling and Concrete Testing

Project: Various Projects in Broward, Dade, & Palm Beach Counties  
 Contractor: Bodax Foundations  
 Description: Monitoring Installation of Helical Piles and Auger Cast Piles

Project: Various Projects in Broward, Dade, & Palm Beach Counties  
 Contractor: Florida Foundation Systems, Inc.  
 Description: Monitoring Installation of Pin Piles, Auger Cast Piles and Helical Piles

### Education:

2002-2006 Pembroke Pines Charter High School, Pembroke Pines, Florida  
 General Diploma

2007 ITT Technical Institute, Davie, Florida  
 Computer Aided Drafting

### Certifications:

- Nuclear Gauge Training
- Radiation Safety
  - Nuclear Gauge Operation
  - Nuclear Gauge Transportation
  - ACI Concrete Field Level 1
  - ACI Concrete Strength Testing
  - CTQP Concrete Field
  - CTQP Asphalt Paving Level 1 & 2



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**Naresh Persaud, E.I.**

**Experience:**

**Feb 2017 – Present**

**Florida Engineering & Testing, Inc.  
Pompano Beach, Florida  
Civil Engineer (EI)**

**Representative Projects:**

**Project:** New Construction Buildings and Additions  
**Contractor:** Treo Development, Holly Hill Homes, JCI Development, Danto Builders, etc.  
**Description:** Inspections - Reinforced Masonry, Reinforced Concrete, and Connections

**Project:** Various Projects in Broward, Dade, & Palm Beach Counties  
**Contractor:** Bodax Foundations  
**Description:** Monitoring Installation of Helical Piles and Auger Cast Piles

**Project:** Various Projects in Broward, Dade, & Palm Beach Counties  
**Contractor:** Florida Foundation Systems, Inc.  
**Description:** Monitoring Installation of Helical Piles and Auger Cast Piles

**Project:** Roofing – Various Projects  
**Contractor(s):** Aastro Roofing, Olen Waldrep & Sons Roofing, All American Roofing, etc.  
**Description:** In-Progress and After the Fact inspections for compliance

**April 2011 – April 2016**     **Alcar Construction & Haulage  
Bull Bay, Jamaica (W.I.)  
Project Engineer**

Involved in the construction of two (2) high schools, a housing development consisting of fifty units, an apartment complex, assisted with road overlays and the construction of reinforced box culverts

Conducted and performed site inspections during various stages of the projects

Evaluated the design and planning to ensure that design standards are met and maintained

Reviewed construction drawings and technical documentation for accuracy, and conformance to specification guidelines

Ensured all the proper construction processes, safety and quality guidelines are followed



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### Resume of Naresh Persaud, E.I. – Page 2

**April 2006 – April 2011**      **Prime Development Ltd**  
**Kingston, Jamaica (W.I)**  
**Site Engineer**

#### Projects and Job Functions:

Involved in construction of an apartment complex, Courthouse, and sports mall/complex  
 Quantity take-offs for ordering of materials for construction  
 Coordinated with workers regarding changes/updates pertaining to their assigned construction project  
 Coordinated with office, sub-contractors, and suppliers to facilitate material shipping/delivery  
 Verified billable quantities versus actual scope of work completed  
 Prepared payroll and sub-contractor disbursements

**April 2006 – April 2011**      **The Home Depot**  
**Bloomfield, Connecticut**  
**Sales Specialist**

#### Job Duties:

Ordered custom doors, windows including Inventory Control  
 Managed the Millworks, Lumber, and Building Materials departments

#### Skills, Certifications:

- Engineer Intern Certification, State of Florida (EI# 1100008977)
- Proficient in Microsoft Project, Microsoft Excel, and Microsoft Word
- Well versed in staff training, on-site project management, and project blueprints
- Registered with the Board of Professional Engineers (PERB) in Jamaica, W.I.
- Active member of the Jamaica Institute of Engineers (JIE)

#### Education:

**2001 to 2003**                      **University of Central Florida**  
**Orlando, Florida**

Degree: Bachelor of Science in Civil Engineering (BSCE)

**2000 to 2001**                      **Valencia Community College**  
**Orlando, Florida**

Degree: Associates Degree in Science

SCOTT A. REID, P.S.M.  
Project Manager

## SUMMARY OF EXPERIENCE



Mr. Reid has been active in Surveying for over 22 years and has been involved with all levels of surveying from an instrument man on a field crew to the director of Surveying for a prominent Engineering and Land Surveying Company. His background includes training in everything from Global Positioning Systems (GPS), Geographic Information Systems (GIS), Remote Sensing, Photogrammetry, Business and Surveying Law, courses in Platting and Sectional land history and retracement to Coastal and Freshwater Mean High Water studies. In the course of his professional experience, Mr. Reid has worked on a variety of different aspects of Surveying to include GPS and GIS projects, Florida Department of Transportation projects, Commercial, Residential and Government Subdivisions, Federal Emergency Management Agency Elevation Certificates and Letters of Map Amendments, Boundary and Title Surveys (to include ALTA Surveys), Subsurface Utility Locations, Condominium Documents and other types of Surveys for the Coast Guard, Veterans Administration, Lake Worth Water Drainage District, South Florida Water Management District, Florida Department of Environmental Protection, Attorneys or just the general public. Mr. Reid has even been involved with recording and reporting field measurements to the Guinness Book of World Records. His leadership roles include being an Officer in the United States Army, President of the Broward Florida Survey and Mapping Society Chapter, his participation in the Florida Atlantic University Surveying Curriculum Committee and various other positions within Surveying firms. This extensive experience within the Survey Profession combining a diversity of practical experience with a great deal of theoretical academic training is what separates Mr. Reid from many other professionals in his field. In all his years of service, his highest goals have always remained quality of work and client satisfaction.

## PROFESSIONAL REGISTRATION

Professional Surveyor and Mapper, Florida  
License No. 6258 (2001)

## MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Florida Surveying and Mapping Society
- Broward County Chapter of the FSMS (Past President)

## EDUCATION

Fayetteville High School, Fayetteville, WV.  
College Preparatory Classes, graduated  
1988.

University of Florida, Gainesville, Fl.  
Materials Engineering/Surveying courses.  
Graduated with a BS degree from the  
Departments of Geomatics (Surveying),  
College of Civil Engineering in 1996.

Land Surveyors Continuing Education  
24 hours of CEU with 2 year renewal  
period pertaining to Florida Minimum  
Technical Standards, State Statutes, Ethics,  
Laws and Principles.





BENJAMIN R. WISER  
 Vice President, Project Manager

#### SUMMARY OF EXPERIENCE

Mr. Wisler's survey experience spans more than nineteen (19) years in the State of Florida including all levels of involvement in field activities as well as office and management responsibilities. He has provided surveying and mapping services on many high profile state, county, municipal and private projects such as US Air Force Bases, international airports, sports stadiums, power, water and reclaimed water plants, interstate heavy highways, transmission mains, high-rise/commercial buildings and subdivisions performing construction layout and as-built surveys along with boundary, topographic and hydrographic surveys for design. He has extensive experience in the use of Global Positioning Systems (GPS) and utilizes this experience in all aspects of surveying including 3D machine control, construction lay-out/as-builts and topographic surveys for design. As Vice President of Compass Point Surveyors, PL, Mr. Wisler is responsible for contract administration, quality control and technical procedures in the production of survey projects which include client relations, estimating, project tracking and crew efficiency. Mr. Wisler is committed to providing the highest quality of professional service in order to meet our client's needs.

#### EDUCATION

Lecanto High School, Lecanto, FL  
 Graduated (1993)

University of Florida.

Florida - Continuing Education  
 Courses Leading to a Degree in  
 Geomatics (2009 – 2015)  
 And Florida Registration as a  
 Professional Surveyor and Mapper.





**Robert J. Cotleur, ASLA, PLA**  
**Principal, Landscape Architect**  
**36 Years of Experience**  
 561.747.6336 x101  
 E-Mail: [rcotleur@cotleur-hearing.com](mailto:rcotleur@cotleur-hearing.com)  
 1934 Commerce Lane, Suite 1, Jupiter, FL 33458

#### Education

1984: Ohio State University, Bachelor of Science in Landscape Architecture; Cum Laude Honor Graduate, ASLA Academic Award of Excellence

#### Professional Experience

Mr. Cotleur has practiced landscape architecture in Palm Beach County for over thirty-six years. He developed considerable knowledge of the South Florida ecology while participating in numerous planning, design, environmental and construction administration projects. As project landscape architect, Rob Cotleur was responsible for landscape design of several notable roadways in South Florida including the I-95 interchanges at Palm Beach Lakes, 45<sup>th</sup> St, Blue Heron Blvd, SR 706, SR 76, SR 70, and SR 60 interchanges; the I-75/I-595 interchange, the Indian Street Bridge and Jensen Beach Causeway in Martin County and the entire 27 mile Polk Parkway in Polk County. Most of these high-profile projects had landscape budgets of well over one million dollars.

Over the past 15 years, Mr. Cotleur has come to specialize in transportation projects and they now account for over 95% of his work. Mr. Cotleur is a recognized expert in transportation landscape architecture, and the Cotleur & Hearing transportation team currently provides landscape architectural support to both District 4 and Central Office. Mr. Cotleur assisted in the preparation of Landscape Brand Guidelines for both District 4 and the Turnpike and he actively participates at a state level to assist the FDOT with enhancement of standard specifications, design indexes and design guidelines. He was one of the first Landscape Architects to complete projects under the FDOT's new "Business of Beautification" policy when he designed the \$6M landscape at the I-95/I-595 interchange. Mr. Cotleur has completed a multitude of transportation projects not only for FDOT but directly for several municipalities such as; Jupiter, Royal Palm Beach, West Palm Beach, Greenacres, Port St. Lucie, Delray Beach, Margate and Highland Beach.

#### Professional Affiliations

State of Florida Registered Landscape Architect # LA0001067  
 Sigma Lambda Alpha, National Honor Society, Member American Society of Landscape Architects;  
 Volunteers on the FDOT/FNGLA Liaison group

#### Work History

1991 - Present: Principal; Cotleur & Hearing  
 1984 - 1991: Partner; GBSH

#### Notable Projects

Transportation and Streetscape. Mr. Cotleur was the lead designer for all the projects listed below.

##### I-75 / I-595 Gateway Interchange, FDOT 4 (FM# 437846-1)

Reference: Vanita Saini, 954-777-4468

Cotleur & Hearing designed the \$5M landscape, irrigation and hardscape improvements for this interchange, one of the largest in District 4. The design was inspired by the District's Branding theme that emulated the adjacent Everglades and is coined 'Urban Swamp Forest'. The project includes over 4,600 trees and includes curvilinear terrace walls in various heights. It is currently under construction and scheduled to be complete in the summer of 2019.

##### I-95 / I-706 Gateway Interchange, FDOT 4 (FM# 433909-1)

Reference: Elisabeth Hassett, 954-777-4219

Cotleur & Hearing designed the landscape, irrigation, and terrace walls for this \$2.4M interchange in Jupiter. The design solution creates a bold gateway into tropical south Florida, Palm Beach County and the Town of Jupiter, and included a diverse palette of palms and flowering trees to compliment many acres of existing native vegetation. Cotleur & Hearing also prepared Selective Clearing & Grubbing plans that required the removal of invasive exotic vegetation and trimming of native vegetation to provide views into existing retention ponds.

I-95 / I-595 Gateway Interchange, FDOT 4 (FM# 433891-1)

Reference: Jim Hughes, 954-777-4419

Cotleur & Hearing designed the landscape, irrigation, retention ponds and hardscape for this \$6M signature landscape project which won design awards from FICE and ASLA. Cotleur & Hearing also provided post design services during construction including hand selecting all plant materials and provided inspection services throughout the three-year warranty period. The project was implemented on an extremely accelerated schedule with the design completed in two months and construction completed in 140 days.

SR 7 Collaborative Landscape Project--FDOT 4

Reference: James Ford, 954-777-4434

Completed in 2010, funded by a \$1M grant from the FDOT, the project limits included the entire SR 7 Corridor in Broward County. Cotleur & Hearing designed the landscape, irrigation, hardscape and performed post design inspection services as well as extensive agency coordination and public involvement services. Landscape enhancements were concentrated within the municipalities of Plantation, Lauderhill, Ft Lauderdale, North Lauderdale, Tamarac and Margate.

U.S. 1 Jupiter, FL – Town of Jupiter

Reference: Doug Koennicke, 561-741-2258

This project was completed for the town of Jupiter in 2004 and had a budget of \$1.8 million. The design features included lowering the speed limit from 50 MPH to 45 MPH to allow the addition of curbing and landscape in the medians. Design services also included irrigation, hardscape design, preparation of installation and maintenance specifications and construction administration services.

Misc. Stand-alone Landscape Projects

I-95/SR 76 Interchange – Martin County FM#438040-1

SR-7 Broward, (Miramar, West Park, Hollywood, Seminole Tribe), FDOT IV FM #227774-3 &amp; 227775-3

SR-716 Port St Lucie Blvd – City of Port St Lucie

SR-809 Military Trail – Town of Jupiter

SR-7 / Atlantic Boulevard - City of Margate

SR-A1A - Highland Beach

I-95 Broward Landscape Projects (Dania to Hillsboro Rd) - FDOT 4

Reconstruction Projects for District 4, FL

Services provided included landscape design, irrigation/hardscape design, post-design services and coordination with the maintaining authorities.

Reference: Elisabeth Hassett, 954-777-4219

I-95 HOV WPB to Riviera Bch FM #231920-1/2

I-95 HOV Jupiter FM #406870-2

CR-714 Martin Hwy FM# 230978-2

SR-858 Hallandale FM #228159-1

US-1 Hollywood (TDLC Design Criteria) FM #228034-1

SR-818 Griffin Rd. FM #227882-1 / 227462-1

SR-732 Jensen Beach Causeway FM #228758- 1

SR-60 FM #228627-1 &amp; 228628-1

3R Projects for District 4, FL

Services for these projects included landscape, irrigation and hardscape design, coordination with maintaining authorities and post-design services.

Reference: Leslie Wetherell, 954-777-4438

SR-820 Hollywood Blvd FM #421659-2

US-1 Jupiter/Juno/PBG/NPB FM#422964-1

I-95 Martin County FM #415396-1

US-1 Stuart FM #228870-1

US-1 Riviera Beach FM #229744-3

SR-817 University Drive FM #228133-1

SR-A1A Highland Beach FM #229785-1

SR-70 FM# 422956-1

Design Build Projects, District 4

Reference: Elisabeth Hassett, 954-777-4219

Indian St. Bridge, Martin County FM #230978-1

I-95 Widening, Indian River County FM# 413048-1

I-95 Weigh in Motion Station FM# 231812-2

I-95 Spanish River Blvd FM# 412420-3

I-95 Widening St Lucie County FM# 413046-1

US-1 Indian River County FM# 228583-2

I-95 Widening, Fellsmere FM# 413049-1



**Aaron Wilbur, PLA**  
**Landscape Architect / Partner**  
**11 Years of Experience**  
 561.747.6336 x 111  
 E-Mail: [awilbur@cotleur-hearing.com](mailto:awilbur@cotleur-hearing.com)  
 1934 Commerce Lane, Suite 1, Jupiter, FL 33458

#### Education

2010: University of Florida; Bachelor of Landscape Architecture

#### Professional Experience

Mr. Wilbur began his career working at Cottage Gardens, Inc. in 2009, a residential design build firm located in Gainesville, Florida. At Cottage Gardens, Mr. Wilbur functioned as the lead designer and project manager. In March 2013, Mr. Wilbur joined the Cotleur & Hearing team and in the fall of 2013, he joined the Firm's transportation division. Mr. Wilbur brings a passion for learning and the ability to quickly adapt to new types of projects. Mr. Wilbur has developed expertise in a multitude of software and CAD programs including; AutoCAD, Microstation, Adobe Photoshop, Adobe Illustrator, Sketch-up, Podium and GIS and in FDOT's design and CAD standards. Over the past five years he has become an expert in locating plant materials in the south Florida Nursery industry, understanding the requirements of Florida's Grades and Standards for Nursery Plants and providing post design services. In January of 2019, Mr. Wilbur joined Don Hearing, Robert Cotleur and three other colleagues as a Partner at the Firm. He currently is the lead project manager for the Transportation Division working alongside Principal Rob Cotleur.

#### Professional Affiliations

State of Florida Registered Landscape Architect #LA6667229

#### Work History

2015 - Present: Professional Landscape Architect; Cotleur & Hearing  
 2013: Landscape Designer; Cotleur & Hearing  
 2009: Lead Designer and Project Manager; Cottage Gardens

#### Notable Projects

##### I-75 / I-595 Gateway Interchange, FDOT District 4

Reference: Vanita Saini, 954-777-4468

Mr. Wilbur assisted with the design and plan production for this \$5M interchange landscape, irrigation and hardscape project located in Broward county. Mr. Wilbur assisted with landscape design and oversaw the plan production and digital delivery of contract documents to the prime consultant and FDOT for all phase submittals. He oversaw the Post Design Services during construction, which include locating and approving plant materials, reviewing layouts in the field, attending progress and coordination meetings, approving shop drawings and responding to RFI's. He currently is the lead inspector representing the department during the Two-Year Establishment period.

##### In-House Landscape Architecture Unit Consultant, FDOT District 4

Reference: Bann Williams, 954-777-4219

Mr. Wilbur works as the Project Manager for the In-House Landscape Architecture Consultant Contract. His role includes assisting with In-house Landscape Architectural tasks, as determined by the District Landscape Architect, such as the design of, and construction administration for, all in-house and push-button landscape projects, wildflower and maintenance specification review, site inspections and assessments for various roadway and landscape projects, ODA coordination for violation notices and vegetation removal permits, maintenance agreement reviews and documentation, and the development, planning and execution of the D4 wildflower program.

##### I-95 Express (Phases 3A, 3B, 3C) - FDOT District 4

Reference: Vanita Saini, 954-777-4468

Mr. Wilbur prepared landscape opportunity and tree relocation concept plans for one of the largest tree relocation efforts in South Florida. He assisted in the development of RFP language for all the major interchanges and mainline

areas for these Design-Build projects, located from Hollywood Blvd to Linton Blvd. Mr. Wilbur has also been the lead landscape inspector and ERC reviewer for all 5 phases of the project and provides post design services including; attending all meetings, providing inspection services to confirm and track all relocation activities and responding to RFIs and plan revisions.

Lake Worth and Jog Road Medians, Greenacres, FL – City of Greenacres

Reference: Carlos Cedeno (Public Works Director), 561-642-2074

Mr. Wilbur was the lead designer and project manager for a landscape and irrigation project addressing all the medians on Lake Worth and Jog road, within the City of Greenacres. Mr. Wilbur prepared concept plans, illustrative graphics, construction documents, specifications, bid documents/cost estimates and attended council meetings to present the concepts and obtain City approval. He was also responsible for successfully obtaining permit approval for Palm Beach County and FDOT. He is currently helping the City navigate a complex construction phase.

S.R. 7 Widening Standalone Landscape Project; S.R. 7, Miramar, West Park and Hollywood, FL – FDOT District 4

Reference: Rob Coteleur, 561-747-6336

As a part of the final widening efforts along S.R. 7, the project required the demolition of adjacent properties in order to allow for the conversion of the 4-lane stretch of S.R. 7 to a 6-lane, divided highway with park-like linear retention ponds. Made up of two separate standalone landscape projects, the project limits span three municipalities. This has required Mr. Wilbur to complete extensive coordination with multiple municipalities, while working on the production of the landscape, hardscape and irrigation plans. Mr. Wilbur had the lead role in the redesign of the median landscape as well as the landscape design of the new park-like wet and dry retention ponds with multi-use pathways.

Continuing Services for Landscape Architecture Design, District Wide Contract – FDOT District 4

Reference: Bann Williams, 954-777-4219

Mr. Wilbur is the Prime Consultant Project Manager for the 5 Year Continuing Services Contract (#CA239). His responsibilities include project management of all Task Work Orders assigned under the contract, including; project coordination with sub-consultants, FDOT project managers and the District Landscape Architect, development of Scope and Staff Hour Estimate documents, as well as production of Landscape, Irrigation, Tree Disposition and Selective Clearing and Grubbing Plans. Notable projects currently in production include the SR 9 at High Meadows Ave Interchange, SR 9 from Sunrise Blvd to SW 10<sup>th</sup> St and the SR 9 at CR 512 Interchange. Mr. Wilbur is also the lead landscape inspector for this contract.

SR 811 (Toney Penna to Center Street) – Town of Jupiter

Reference: Thomas Driscoll (Public Works Director), 561-741-2215

Mr. Wilbur was the lead designer for this landscape and irrigation project for the medians of SR 811 within the Town of Jupiter. Mr. Wilbur prepared concept plans, construction documents, illustrative graphics, bidding and permitting documents, specifications and cost estimates for this streetscape project. He successfully navigated the Town through the construction phase of the project and is currently providing post design services for the warranty phase.

Port St Lucie Blvd (Paar to Darwin), Port St. Lucie, FL – City of Port St. Lucie/ FDOT District 4

Reference: John Dunton, 772-344-4035

Located in Port St. Lucie, the proposed project is comprised of two Dependent Landscape projects and extends the widening of PSL Blvd. south from the Turnpike over-pass to Paar Rd. The projects included the landscaping of the medians to be consistent with the City Beatification Guidelines and included the design of the irrigation system. Mr. Wilbur is the Project Manager for the project and assisted in the design of the proposed landscape and irrigation.

I-95 at Oslo Road (CR 606) Interchange (Feb 2015 – Present) Florida – District 4, FDOT

Reference: Jeff Roberts, PE (954-777-4648)

Mr. Wilbur serves as the Project Manager and Lead Designer for the Landscape Architectural scope of this new interchange on I-95 in Indian River County. The project involves the preservation of existing vegetation, tree relocation, landscape terrace wall design and a \$1M Landscape Design for a Dependent Standalone Project to follow the roadway project, slated to begin construction in fiscal year 2024. The project proposes to preserve nearly 3.5 acres of native pine flatwood forest, which required extensive coordination with the roadway design team to maximize the storage of the drainage ponds, while preserving the largest and most valuable stands of existing vegetation.



CITY OF POMPANO BEACH  
RLI # E-20-20

# Section 11

## Office Locations



CITY OF POMPANO BEACH  
RLI # E-20-20

Section 11 – Office Locations

RJ BEHAR OFFICE LOCATIONS		
<b>Responsible Office:</b>		
<b>Broward County</b>	<b>Palm Beach County</b>	<b>Miami-Dade County</b>
6861 SW 196 <sup>th</sup> Avenue, Suite 302 Pembroke Pines, Florida 33332 Contact: Mr. Robert J. Behar, PE T: (954) 680-7771 / F: (954) 680-7781 E-mail: bbehar@rjbehar.com	12788 Forest Hill Boulevard, Suite 2003B, Wellington, Florida 33414 Contact: Mr. Robert J. Behar, PE T: (561) 333-7000 / F: (561) 333-7001 E-mail: bbehar@rjbehar.com	7850 NW 146 <sup>th</sup> Street, Suite 504, Miami Lakes, Florida Contact: Mr. Robert J. Behar, PE T: (305) 558-3777 / F: (305) 558-8909 E-mail: bbehar@rjbehar.com
Professional Staff: 9 Engineering Support Staff: 8 Administrative Staff: 4 CEI Inspectors: 4 <u>Total Employees: 25</u>	Professional Staff: 2 Engineering Support Staff: 1 CEI Inspectors: 1 <u>Total Employees: 4</u>	Professional Staff: 1 CEI Inspectors: 2 <u>Total Employees: 3</u>

Subconsultants Responsible Office

<b>Firm Name, Location and Contact Information</b>	<b>Staff</b>	<b>Services</b>
<b>Florida Engineering &amp; Testing, Inc.</b> 250 SW 13th Avenue Pompano Beach, FL 33069 Contact: Ms. Christine Chang, SVP T: (954) 781-6889 / F: (954)-784-8550 E-mail: cchang@fla-eng.com	Professional/Geotechnical: 1 Civil Engineer: 1 Technical Staff: 7 Administrative Staff: 3 <u>Total Employees: 12</u>	Geotechnical Engineering and Testing Services
<b>Compass Point Surveyors, PL</b> 3710 Park Central Boulevard N, Pompano Beach, Florida, 33064 Contact: Mr. Scott A. Reid, PSM – Project Manager O: (954) 332-8181 / D: (954) 603-8795 E-mail: sar@cp-surveyors.com	Professional Staff: 3 Technical Staff: 3 Administrative Staff: 1 <u>Total Employees: 7</u>	Surveying Services
<b>Cotleur &amp; Hearing Landscape Architecture, LLC</b> 1934 Commerce Lane, Suite 1 Jupiter, FL 33458 Contact: Mr. Aaron Wilbur, PLA Landscape Architect / Partner T: (561) 747-6336 x111 D: (561) 406-1011 / F: (561) 747-1377 E-mail: awilbur@cotleur-hearing.com	Professional/Landscape Architecture: 6 Land Planning: 1 Designers: 5 Graphic Designers: 1 Environmental Specialist: 1 Administrative Staff: 2 <u>Total Employees: 16</u>	Landscape Architecture



CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 12

### Local Businesses

LOCAL BUSINESS EXHIBIT "A"  
 CITY OF POMPANO BEACH, FLORIDA  
 LOCAL BUSINESS PARTICIPATION FORM

Solicitation Number & Title: RLI#E-20-20 Continuing Contract for Civil Engineering Services for Various City Projects Prime Contractor's Name: R.J. Behar & Company, Inc.

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
Florida Engineering & Testing, Inc. 250 SW 13th Avenue Pompano Beach, FL, 33069	(954) 781-6889	Geotechnical Engineering Services	8%
Compass Point Surveyors, PL 3710 Park Central Boulevard N Pompano Beach, FL 33064	(954) 332-8181	Surveying Services	12%

LOCAL BUSINESS EXHIBIT "A"

LOCAL BUSINESS EXHIBIT "B"  
LOCAL BUSINESS  
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number RLI# E-20-20

TO: R.J. Behar & Company, Inc.  
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

an individual

a corporation

a partnership

a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Geotechnical Engineering and Testing Services

Construction Materials Testing

Special Inspections

at the following price: TBD

7/22/20  
(Date)

Florida Engineering & Testing, Inc.  
(Print Name of Local Business Contractor)

250 SW 13th Avenue  
(Street Address)

Pompano Beach, Florida, 33069  
(City, State Zip Code)

BY:  SVP  
(Signature) *Christine Chang*

**IMPORTANT NOTE:** Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"



LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS  
UNAVAILABILITY FORM

BID # RLI # E-20-20

I, \_\_\_\_\_  
(Name and Title)

of \_\_\_\_\_, certify that on the \_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)

Said Local Businesses:

- \_\_\_ Did not bid in response to the invitation
- \_\_\_ Submitted a bid which was not the low responsible bid
- \_\_\_ Other: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Attach additional documents as available.

Not Applicable



LOCAL BUSINESS EXHIBIT "D" – Page 2

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CITY OF POMPANO BEACH  
RLI # E-20-20

Section 12 – Local Businesses

Local City Vendor Business Tax Receipt/Broward County Business Tax Receipt

**Florida Engineering & Testing, Inc.** – City of Pompano Beach Tax Receipt # 20-00041486

Expiration: 09/30/2020

 **CITY OF POMPANO BEACH  
BUSINESS TAX RECEIPT  
FISCAL YEAR: 2019 - 2020**

**Business Tax Receipt Valid from: October 1, 2019 through September 30, 2020**

4422214 9/18/2019  
MESIANO, MARK  
250 SW 13 AVENUE  
POMPANO BEACH FL 33069

**THIS IS NOT A BILL**

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

**BUSINESS OWNER:** FLORIDA ENGINEERING & TESTING  
**BUSINESS LOCATION:** 250 SW 13 AV POMPANO BEACH FL

<b>RECEIPT NO:</b>	<b>CLASSIFICATION</b>
20-00041486	PROFESSIONAL-ENGINEER (PROF,CIVIL,ELECT)

**NOTICE:** A NEW APPLICATION MUST BE FILED IF THE BUSINESS NAME, OWNERSHIP OR ADDRESS IS CHANGED. THE ISSUANCE OF A BUSINESS TAX RECEIPT SHALL NOT BE DEEMED A WAIVER OF ANY PROVISION OF THE CITY CODE NOR SHALL THE ISSUANCE OF A BUSINESS TAX RECEIPT BE CONSTRUED TO BE A JUDGEMENT OF THE CITY AS TO THE COMPETENCE OF THE APPLICANT TO TRANSACT BUSINESS. **THIS DOCUMENT CANNOT BE ALTERED.**

**BUSINESS TAX RECEIPTS EXPIRE SEPTEMBER 30<sup>TH</sup> OF EACH YEAR**







CITY OF POMPANO BEACH  
RLI # E-20-20

Local City Vendor Business Tax Receipt/Broward County Business Tax Receipt

**Compass Point Surveyors, PL – City of Pompano Beach Tax Receipt # 20-00087031**

**Expiration: 09/30/2020**

 **CITY OF POMPANO BEACH  
BUSINESS TAX RECEIPT  
FISCAL YEAR: 2019 - 2020**

**Business Tax Receipt Valid from: October 1, 2019 through September 30, 2020**

4459900 9/18/2019  
 COMPASS POINT SURVEYORS PL  
 3195 N POWERLINE RD #112  
 POMPANO BEACH FL 33069

**THIS IS NOT A BILL**

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

**BUSINESS OWNER:** COMPASS POINT SURVEYORS PL  
**BUSINESS LOCATION:** 3195 N POWERLINE RD 112 POMPANO BEACH FL

**RECEIPT NO:** 20-00087031      **CLASSIFICATION:** PROFESSIONAL OFFICE (SEE REQUIREMENTS)

**NOTICE:** A NEW APPLICATION MUST BE FILED IF THE BUSINESS NAME, OWNERSHIP OR ADDRESS IS CHANGED. THE ISSUANCE OF A BUSINESS TAX RECEIPT SHALL NOT BE DEEMED A WAIVER OF ANY PROVISION OF THE CITY CODE NOR SHALL THE ISSUANCE OF A BUSINESS TAX RECEIPT BE CONSTRUED TO BE A JUDGEMENT OF THE CITY AS TO THE COMPETENCE OF THE APPLICANT TO TRANSACT BUSINESS. **THIS DOCUMENT CANNOT BE ALTERED.**

**BUSINESS TAX RECEIPTS EXPIRE SEPTEMBER 30<sup>TH</sup> OF EACH YEAR**









**From:** [C.Chang](#)  
**To:** [Floralma Valdes](#); [Derry Behar](#)  
**Subject:** FW: City of Pompano Beach - RLI # E-20-20  
**Date:** Wednesday, July 22, 2020 4:19:33 PM

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Dear Floralma,

We are interested. Please let me know what you need. I've attached some items, that you may need such as our laboratory accreditations with CMEC, FDOT and Miami Dade, as well as our licenses (Mark Mesiano, PE and Florida Engineering and Testing, Inc.) along with our CBE certifications, etc. Let me know what other items you may require.

PS: Have to send in numerous emails since there are a lot of attachements.

Sincerely,

Christine Chang  
Florida Engineering & Testing, Inc.  
250 SW 13<sup>th</sup> Avenue; Pompano Beach, FL 33069  
Phone: 954-781-6889 Fax: 954-784-8550  
[cchang@fla-eng.com](mailto:cchang@fla-eng.com)

---

**From:** Floralma Valdes <[f.valdes@rjbehar.com](mailto:f.valdes@rjbehar.com)>  
**Sent:** Wednesday, July 22, 2020 3:33 PM  
**To:** C Chang <[cchang@fla-eng.com](mailto:cchang@fla-eng.com)>  
**Cc:** Derry Behar <[dbehar@rjbehar.com](mailto:dbehar@rjbehar.com)>  
**Subject:** City of Pompano Beach - RLI # E-20-20

Ms. Christine Chang, SVP  
Florida Engineering & Testing, Inc.

Good Afternoon Ms. Chang,  
R.J. Behar & Company, Inc. (RJ Behar) is pursuing the City of Pompano Beach, RLI – Continuing Contract for Civil Engineering Services for Various City Projects. RJ Behar would like to have your firm completing our team to provide Geotechnical and Testing services. Attached please find the RLI document for your review and records. Please let us know if you would like to join us to provide a response to the City.

Thank you for your time and consideration to our request.

Sincerely,

Floralma Valdes

R.J. Behar & Company, Inc.  
6861 SW 196th Avenue, Suite 302 | Pembroke Pines, Florida 33332  
Tel: (954) 680-7771 - Ext. 242 | Fax: (954) 680-7781  
E-mail: [f.valdes@rjbehar.com](mailto:f.valdes@rjbehar.com)

**From:** [Lori Melrose](#)  
**To:** [Floridalma Valdes](#); [Derry Behar](#)  
**Cc:** [Scott Reid](#); [Benjamin R. Wiser \(Compass Point Surveyors\)](#)  
**Subject:** RE: City of Pompano Beach - RLI # E-20-20  
**Date:** Thursday, July 23, 2020 8:42:49 AM  
**Attachments:** [image001.png](#)

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Good morning,

Thank you for adding Compass Point Surveyors to your team for the above referenced proposed project with the City of Pompano Beach. Please let me know if you need any information, forms, etc for submittal.

Thank you,

**PLEASE NOTE OUR ADDRESS HAS CHANGED (SEE BELOW)**

Lori L. Melrose  
Controller  
**Compass Point Surveyors, PL**  
3710 Park Central Boulevard N  
Pompano Beach, FL 33064  
Office: 954-332-8181  
Direct: 954-998-4614  
[llm@cp-surveyors.com](mailto:llm@cp-surveyors.com)  
[www.cp-surveyors.com](http://www.cp-surveyors.com)



---

**From:** Scott Reid <sar@cp-surveyors.com>  
**Sent:** Thursday, July 23, 2020 8:15 AM  
**To:** Benjamin R. Wiser (Compass Point Surveyors) <brw@cp-surveyors.com>  
**Cc:** Lori Melrose <llm@cp-surveyors.com>  
**Subject:** FW: City of Pompano Beach - RLI # E-20-20

FYI

Scott A. Reid P.S.M.  
Project Manager  
**Compass Point Surveyors, PL**  
3710 Park Central Boulevard N  
Pompano Beach, FL 33064  
O: 954-332-8181  
D: 954-603-8795  
C: 954-461-6109

[sar@cp-surveyors.com](mailto:sar@cp-surveyors.com)  
[www.cp-surveyors.com](http://www.cp-surveyors.com)



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**From:** Floridalma Valdes <[f.valdes@rjbehar.com](mailto:f.valdes@rjbehar.com)>  
**Sent:** Wednesday, July 22, 2020 3:21 PM  
**To:** Scott Reid <[sar@cp-surveyors.com](mailto:sar@cp-surveyors.com)>  
**Cc:** Derry Behar <[dbehar@rjbehar.com](mailto:dbehar@rjbehar.com)>  
**Subject:** City of Pompano Beach - RLI # E-20-20

Messrs.  
Compass Point Surveyors, PL

Good Afternoon,  
R.J. Behar & Company, Inc. (RJ Behar) is pursuing the City of Pompano Beach, RLI – Continuing Contract for Civil Engineering Services for Various City Projects. RJ Behar would like to have your firm completing our team to provide Surveying services. Attached please find the RLI document for your review and records. Please let us know if you would like to join us to provide a response to the City.

Thank you for your time and consideration to our request.

Sincerely,

Floralalma Valdes

R.J. Behar & Company, Inc.  
6861 SW 196th Avenue, Suite 302 | Pembroke Pines, Florida 33332  
Tel: (954) 680-7771 - Ext. 242 | Fax: (954) 680-7781  
E-mail: [f.valdes@rjbehar.com](mailto:f.valdes@rjbehar.com)



CITY OF POMPANO BEACH  
RLI # E-20-20

# Section 13

## Litigation



CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 13 – Litigation

**R.J. Behar & Company, Inc.** was served a summons, on 10/12/2017, by the City of Delray Beach, Case #502017CA008953XXXXMB-AO, accusing breach of contract to the contractor, Foster Marine. **R.J. Behar** performed the construction inspection on the project. There is a dispute regarding materials used. **R.J. Behar & Company, Inc.** filed a Motion to Dismiss on 11/7/2017. The case is still pending.

**R.J. Behar & Company, Inc.** was involved in a civil lawsuit case #10-20071CA (11), filed in July of 2010 in Miami-Dade County. This case was dismissed by Summary Judgment in **R.J. Behar & Company's** favor by the governing judge in March of 2015 and by the Supreme Court in 2019.



CITY OF POMPANO BEACH  
RLI # E-20-20

# Section 14

## City Forms

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFP IN THE EBID SYSTEM.**

***PROPOSER INFORMATION PAGE***

***RFP*** \_\_\_\_\_, \_\_\_\_\_  
(number) (RFP name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFP. I have read the RFP and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) \_\_\_\_\_ Title \_\_\_\_\_

Company (Legal Registered) \_\_\_\_\_

Federal Tax Identification Number \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

Email Address \_\_\_\_\_

**BIDDERS ARE TO COMPLETE FORM AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM**

**EXHIBIT E**

**MINORITY BUSINESS ENTERPRISE PARTICIPATION**

RLI # \_\_\_\_\_

List all members of your team that are a certified Minority Business Enterprise (as defined by the State of Florida.) You must include copies of the MBE certificates for each firm listed with your electronic submittal.

Name of Firm	Certificate Included?



CITY OF POMPANO BEACH  
RLI # E-20-20

Section 14 – City Forms

Minority Women/Business Certifications

R.J. Behar & Company, Inc. – Certification Expires: 4/25/2021



Florida Engineering & Testing, Inc. – Certification Expires: 10/24/2021



### TIER 1/TIER 2 COMPLIANCE FORM

**IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

#### **TIER 1 LOCAL VENDOR**

\_\_\_\_\_ My firm has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least 10 % who are residents of the City of Pompano Beach.

And/Or

\_\_\_\_\_ My firm has maintained a permanent place of business within the city limits and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 10 % of the contract value.

Or

My firm does not qualify as a Tier 1 Vendor.

#### **TIER 2 LOCAL VENDOR**

\_\_\_\_\_ My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

And/Or

My firm has maintained a permanent place of business within Broward County and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value.

Or

\_\_\_\_\_ My firm does not qualify as a Tier 2 Vendor.

**I certify that the above information is true to the best of my knowledge.**

July 28, 2020  
(Date)

R.J. Behar & Company, Inc.  
(Name of Firm)

BY:  Robert J. Behar, PE  
(Name)

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

**VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS**

Respondent Vendor Name: R.J. Behar & Company, Inc.

Vendor FEIN: 65-0954070

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Further, Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify





CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 15

### Proof of Insurance



CITY OF POMPAÑO BEACH  
RLI # E-20-20

Section 15 – Proof of Insurance

Certificate of Insurance – Expires 11/17/2020

Client#: 25186 <b>ACORD™</b>	<b>CERTIFICATE OF LIABILITY INSURANCE</b>	RJBHARC DATE (MM/DD/YYYY) <b>11/14/2019</b>													
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.															
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).															
PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Rd. Suite 370 Alpharetta, GA 30022	CONTACT NAME: Nicole Larsen PHONE (A/C, No, Ext): 770-552-4225 FAX (A/C, No): 866-550-4082 E-MAIL ADDRESS: Nicole.Larsen@greyling.com														
INSURED R.J. Behar & Company, Inc. 6861 S.W. 196th Avenue Suite 302 Pembroke Pines, FL 33332	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A : Sentinel Insurance Co Ltd</td> <td>11000</td> </tr> <tr> <td>INSURER B : Hartford Casualty Ins. Co.</td> <td>29424</td> </tr> <tr> <td>INSURER C : Beazley Insurance Company, Inc.</td> <td>37540</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Sentinel Insurance Co Ltd	11000	INSURER B : Hartford Casualty Ins. Co.	29424	INSURER C : Beazley Insurance Company, Inc.	37540	INSURER D :		INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #														
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INSURER D :															
INSURER E :															
INSURER F :															
COVERAGES CERTIFICATE NUMBER: 19-20 REVISION NUMBER:															
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.															
NSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR I WWD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS									
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		20SBWBA1624	11/17/2019	11/17/2020	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMPI/OP AGG \$2,000,000 \$									
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY		20UEGNG0289	11/17/2019	11/17/2020	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$									
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CLAIMS-MADE DED: <input checked="" type="checkbox"/> RETENTION \$10000		20SBWBA1624	11/17/2019	11/17/2020	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 \$									
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	20WBGAD8LUV	11/17/2019	11/17/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000									
C	<input checked="" type="checkbox"/> Professional Liab & Pollution Liability		V20C99190301	11/17/2019	11/17/2020	Per Claim \$2,000,000 Aggregate \$3,000,000									
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Umbrella Follows Form with respects to General, Automobile & Employers Liability Policies.															
CERTIFICATE HOLDER For Proposal Purposes				CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 											
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ACORD 25 (2016/03) 1 of 1 #S1867858/M1867176			The ACORD name and logo are registered marks of ACORD		NLAR1										





CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 16

### **Acknowledgment of** Addenda



**R.J. Behar**



CITY OF POMPANO BEACH  
RLI # E-20-20

## Section 16 – Addenda

Addendum No. 1, RLI # E-20-20 - Continuing Contract for Civil Engineering Services for Various City Projects, was added on July 27, 2020.

### **Addendum #1:**

"The revised solicitation document, with the inclusion of services to the Community Redevelopment Agency (CRA), has been added to the attachments tab of the City's eBid system."

**R.J. BEHAR & COMPANY, INC.**

A handwritten signature in blue ink, appearing to read "R. J. Behar", is written over a horizontal line.

Robert J. Behar, PE  
President/CEO



**City of Pompano Beach, Purchasing Division  
1190 N.E. 3rd Avenue, Building C  
Pompano Beach, Florida, 33060**

July 27, 2020

ADDENDUM #1, RLI E-20-20

**Continuing Contracts for Professional Surveying and Mapping  
Services**

To Whom It May Concern,

The revised solicitation document, with the inclusion of services to the Community Redevelopment Agency (CRA), has been added to the attachments tab of the City's eBid system.

Addendum #1 is posted on the City's eBid website: <http://pompanobeachfl.ionwave.net>. Acknowledge receipt of this Addendum using the Addendum Attribute on the Attributes tab in the eBid System.

The deadline for acceptance of proposals in the eBid system is **2:00 p.m. (local), July 30, 2020.**

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jeff English, Purchasing Agent

cc: website



**R.J.Behar & Company, Inc.**  
E n g i n e e r s • P l a n n e r s

6861 SW 196<sup>th</sup> Avenue, Suite 302

Pembroke Pines, Florida 33332

Tel: (954) 680-7771 / Fax: (954) 680-7781

Contact: Mr. Hans Murzi, PE

[hmurzi@rjbehar.com](mailto:hmurzi@rjbehar.com)



December 4, 2020

City of Pompano Beach  
 1201 N.E. 5th Avenue  
 Pompano Beach, FL 33060

**Fee Schedule for the City of Pompano Beach  
 RLI No. E-20-20**

<b>Company Name</b>	<b>Address</b>
RJ Behar & Company, Inc Tel. No. 954-680-7771	6861 SW 196 Avenue, Suite 302 Pembroke Pines, Florida 33332

<b>Hourly Project Billing Rate</b>	
<b>Category</b>	<b>Hourly Rate</b>
Principal-in-Charge	\$243.00
Project Manager (P.E.)	\$220.00
Senior Engineer (P.E.)	\$214.00
Engineer	\$145.00
Senior Designer	\$143.00
Construction Manager	\$185.00
Senior Inspector	\$115.00
Inspector	\$90.00
CADD Technician	\$105.00
Entry Level Engineer	\$90.00
Clerical	\$63.00

## **EXHIBIT C**

### **INSURANCE REQUIREMENTS**

CONSULTANT shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the City's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to City staff responsible for oversight of the subject project/contract.

CONSULTANT is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONSULTANT, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONSULTANT under this Agreement.

Throughout the term of this Agreement, CONSULTANT and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

A. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONSULTANT further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

B. Liability Insurance.

(1) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONSULTANT's negligent acts or omissions in connection with CONSULTANT's performance under this Agreement.

(2) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

**Type of Insurance****Limits of Liability****GENERAL LIABILITY:**

Minimum 1,000,000 Per Occurrence and  
\$1,000,000 Per Aggregate

\* Policy to be written on a claims incurred basis

XX	comprehensive form	bodily injury and property damage
XX	premises - operations	bodily injury and property damage
—	explosion & collapse hazard	
—	underground hazard	
XX	products/completed operations hazard	bodily injury and property damage combined
XX	contractual insurance	bodily injury and property damage combined
XX	broad form property damage	bodily injury and property damage combined
XX	independent contractors	personal injury
XX	personal injury	

**AUTOMOBILE LIABILITY:**

Minimum \$1,000,000 Per Occurrence and \$1,000,000 Per Aggregate. Bodily injury (each person) bodily injury (each accident), property damage, bodily injury and property damage combined.

- XX comprehensive form
- XX owned
- XX hired
- XX non-owned

**REAL & PERSONAL PROPERTY**

— comprehensive form Agent must show proof they have this coverage.

**EXCESS LIABILITY**

Per Occurrence Aggregate

XX	Umbrella and other than umbrella	bodily injury and property damage combined	\$2,000,000	\$2,000,000
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**PROFESSIONAL LIABILITY**

Per Occurrence Aggregate

XX	* Policy to be written on a claims made basis		\$2,000,000	\$2,000,000
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(3) If Professional Liability insurance is required, CONSULTANT agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the termination or expiration of the Agreement for a period of three (3) years unless terminated sooner by the applicable statute of limitations.

C. Employer's Liability. If required by law, CONSULTANT and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability

Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

D. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONSULTANT, the CONSULTANT shall promptly provide the following:

- (1) Certificates of Insurance evidencing the required coverage;
- (2) Names and addresses of companies providing coverage;
- (3) Effective and expiration dates of policies; and
- (4) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

E. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

F. Waiver of Subrogation. CONSULTANT hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONSULTANT shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONSULTANT enter into such an agreement on a pre-loss basis.

