

*CITY OF POMPANO BEACH,
FLORIDA*

PROFESSIONAL CONSULTING AGREEMENT

with

WGI, INC.



**CONTINUING CONTRACT FOR STRUCTURAL
ENGINEERING SERVICES FOR VARIOUS CITY
PROJECTS E-26-20**

**CONTRACT FOR
PROFESSIONAL CONSULTING SERVICES**

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 WGI 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-26-20 attached hereto as Exhibit A and incorporated herein in its entirety.

The Consultant's representative shall be Gregory Sauter

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-26-20, 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**

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:

WGI, Inc.
2036 Vista Parkway
West Palm Beach, FL 33411

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

“CITY”

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"

WGI INCORPORATED

Witnesses:

[Signature]
Signature

Mario Echagarruz
Name Typed, Printed or Stamped

[Signature]
Signature
JEFFREY BERGMANN
Name Type, Printed or Stamped

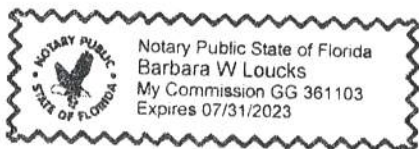
By: [Signature]
Gregory Sauter, President



STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me, by means of physical presence or online notarization, this 12th day of April, 2021, by Gregory Sauter as President of WGI INCORPORATED, a Florida corporation, on behalf of the corporation. He is personally known to me or who has produced _____ (type of identification) as identification.

NOTARY'S SEAL:



[Signature]
NOTARY PUBLIC, STATE OF FLORIDA
BARBARA W LOUCKS
(Name of Acknowledger Typed, Printed or Stamped)
66361103
Commission Number



Florida's Warmest Welcome

**CITY OF POMPANO BEACH
REQUEST FOR LETTERS OF INTEREST
E-26-20**

**CONTINUING CONTRACT FOR STRUCTURAL
ENGINEERING SERVICES**

**RLI OPENING: AUGUST 24, 2020 2:00 P.M.
VIRTUAL ZOOM MEETING**

July 23, 2020

CITY OF POMPANO BEACH, FLORIDA
REQUEST FOR LETTERS OF INTEREST
E-26-20

CONTINUING CONTRACT FOR STRUCTURAL ENGINEERING SERVICES

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 structural engineering 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), August 24, 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 engineering firms to work on various projects for the 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](#)
- Municipal Buildings
- Bridge repair, reconstruction, or replacement projects
- Miscellaneous building repair, improvement and/or renovation projects
- Roofing repair or replacement projects
- Seawall repair, reconstruction, or replacement projects
- Parks and Recreational Facilities projects
- Emergency power projects
- Special Inspector
- Structural Condition Assessments.

A. Scope of Services

The City intends to issue multiple contracts to structural 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 modeling, surveying, and field data analysis. Preparation of preliminary cost estimates.
- 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 a 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 **Professional Structural Services (SE)** in the State of Florida, pursuant to Florida State Statute 471, 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 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 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

GENERAL LIABILITY:	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 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		
— sexual abuse/molestation	Minimum \$1,000,000 Per Occurrence and Aggregate	
— liquor legal liability	Minimum \$1,000,000 Per Occurrence and Aggregate	

AUTOMOBILE LIABILITY:	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		

REAL & PERSONAL PROPERTY

— comprehensive form	Agent must show proof they have this coverage.	
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EXCESS LIABILITY		Per Occurrence	Aggregate
— other than umbrella	bodily injury and property damage combined	\$1,000,000	\$1,000,000

PROFESSIONAL LIABILITY		Per Occurrence	Aggregate
XX * Policy to be written on a claims made basis		\$1,000,000	\$1,000,000

(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.

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.		

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.

Line	Criteria	Point Range
1	<p>Prior experience of the firm with projects of similar size and complexity:</p> <ul style="list-style-type: none"> 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	<p>Qualifications of personnel including sub consultants:</p> <ul style="list-style-type: none"> a. Organizational chart for project b. Number of technical staff c. Qualifications of technical staff: <ul style="list-style-type: none"> (1) Number of licensed staff (2) Education of staff (3) Experience of staff on similar projects 	0-15
3	<p>Proximity of the nearest office to the project location:</p> <ul style="list-style-type: none"> a. Location b. Number of staff at the nearest office 	0-15
4	<p>Current and Projected Workload</p> <p>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</p>	0-15
5	<p>Demonstrated Prior Ability to Complete Project on Time</p> <p>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.</p>	0-15
6	<p>Demonstrated Prior Ability to Complete Project on Budget</p> <p>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.</p>	0-15
7	<p>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.)</p>	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.

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. 3rd 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**

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

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⁾

Local Business Payment Report						
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⁾
Total Paid to Date for All Local Business Subcontractors ⁽²¹⁾ \$						0.00

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⁾
--	---	-----------------------	----------------------

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?

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

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 ?

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

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

8. Other comments: _____

LOCAL BUSINESS EXHIBIT "D"

Online Questions & Answers

Event Information

Number: E-26-20
 Title: Continuing Contracts for Structural Engineering Services
 Type: Request for Letters of Interest
 Issue Date: 7/23/2020
 Question Deadline: 8/17/2020 05:00 PM (ET)
 Response Deadline: 8/24/2020 02:00 PM (ET)
 Notes: 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 structural engineering 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), August 24, 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.

Published Questions

Question	Do you want us to include survey as most work orders will require it?
Answer	Firms may submit specialty subconsultants on the project team form. During the preparation of a Task Order, the City may choose to use a professional firm with an active City contract to perform subconsultant work, proposed by the prime firm.
Asked	7/31/2020 10:21 AM (ET)
Question	Do you want a full team for this pursuit or are you just looking for structural engineering services?
Answer	Firms may submit specialty subconsultants on the project team form. During the preparation of a Task Order, the City may choose to use a professional firm with an active City contract to perform subconsultant work, proposed by the prime firm.
Asked	7/31/2020 09:45 AM (ET)



CONTINUING CONTRACT FOR
**STRUCTURAL
ENGINEERING
SERVICES**

E-26-20

August 24, 2020



TITLE PAGE

CITY OF POMPANO BEACH

**Request for Letters of Interest
E-26-20**

Continuing Contract for Structural Engineering Services

WGI, Inc.

**Jeffrey Bergmann, PE
Jeffrey.Bergmann@wginc.com ▪ 561.839.1721
2035 Vista Parkway ▪ West Palm Beach, FL 33411**

August 24, 2020

TABLE OF CONTENTS



TITLE PAGE	I
TABLE OF CONTENTS	II
LETTER OF TRANSMITTAL	1
TECHNICAL APPROACH	3
SCHEDULE	8
REFERENCES	9
Projects performed for the City of Pompano Beach.....	38
PROJECT TEAM FORM	39
ORGANIZATIONAL CHART	47
STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM	48
RESUMES OF KEY PERSONNEL	64
OFFICE LOCATIONS	83
LOCAL BUSINESS FORMS	
Exhibit A.....	84
Exhibit B.....	85
Exhibit C - not applicable	
Exhibit D - not applicable	
LITIGATION	86
CITY FORMS	
Proposer Information Page.....	87
Minority Business Enterprise Participation	88
Minority Business Enterprise Certifications.....	89
Tier1/Tier2 Compliance Form	90
CONFIDENTIAL FINANCIAL STATEMENTS attached as separate file	
APPENDIX	
Certificate of Insurance	94
Professional Licenses.....	96



LETTER OF TRANSMITTAL

LETTER OF TRANSMITTAL

August 24, 2020

City of Pompano Beach
Purchasing Office
1190 NE 3rd Avenue, Building C
Pompano Beach, Florida 33060

Dear Selection Committee Members,

Structural engineering is more than the design of basic components; it must consider aesthetics, safety, long-term maintenance and repair, and blend significant elements with the surrounding environment. **WGI, Inc.'s (WGI)** structural engineers demonstrate their expertise in all aspects of structural engineering services from parking and vertical structures, to bridges, seawalls, and piers, in addition to coastal hurricane hardening for governmental, institutional, and private clients.

WGI's professionals are industry leaders in the structural engineering design for mid-rise and high-rise buildings serving multiple developmental goals, successfully delivering significant, influential projects throughout the United States. Our structural engineers are well-versed in the specialized design of bridges, parking facilities, wastewater and stormwater pump stations, drainage control structures, cellular towers, and a variety of related specialty structures.

One of our niche disciplines is the structural design and permitting of ocean piers. WGI is proud to have designed the Pompano Beach Fishing Pier, which was recognized by the *American Council of Engineering Companies* with the *2020 Engineering Excellence Award of Honor for Special Projects* for the innovative pier design and construction. We appreciated the opportunity to be involved with this unique project which was a key component of the beach area revitalization efforts.

We understand the time and effort the City, staff, and residents have committed in order to put in place policies and infrastructure to create a vibrant and sustainable City where people want to live and work. From the redevelopment of the beach area to Old Town and the Innovation District, WGI recognizes the progress done by the City to set the stage for the upcoming projects and looks forward to the working hand in hand with the City and the community to continue to build and maintain the physical and social infrastructure required to support the City's vision.

Municipal governments require timely and accurate information to effectively make the many difficult decisions required on a daily basis. With more than 150 municipal continuing contracts, WGI understands the needs of local governments. Businesses and residents alike rely on their government to build and maintain the physical and social infrastructure to support their comfort, enjoyment, and success. It is imperative those representing the City understand your culture and are knowledgeable in all areas of municipal services, local roadway design, complete streets, public outreach, outside agency funding—including FDOT Local Agency Program (LAP) funding, stormwater management, environmental issues, surveying, permitting, and the latest in technology to accomplish all tasks in an effective and efficient manner. As a local full-service consulting firm, WGI has the resources available to competently address the anticipated services under this contract and would be honored to be involved in sustainable projects to enhance the City's infrastructure.

EXPERIENCED STAFF

WGI has the professional resources needed to ensure the successful completion of all service authorizations. With 26 years of tenure **Shad Shafie, PE**, vice president of Structural Solutions division, will serve as principal in charge. To ensure outstanding customer service, **Traci Scheppske, CGC, LEED AP**, as a customer relations manager will advise the team regarding the City's priorities and expectations. **Jeffrey Bergmann, PE** will lead all contract-related efforts as contract manager. He will be responsible for communication and the overall delivery of every project. Jeffrey will be supported by a robust team of talented project managers and staff as required based on the scope of the individual project or task order.

In short, WGI's management team has the knowledge, experience, and technical capability to successfully deliver services matching the quality expectations, budgetary goals, and schedule established by the City.

DEPTH OF RESOURCES

Within our local Fort Lauderdale and Palm Beach County offices, WGI has 233 registered engineers, landscape architects, planners, environmental scientists, surveyors, and other professionals which are available to service this contract. With a team of 560 professionals nationwide, WGI is considered an industry leader in the integration of new technology solutions. Our structural solutions department specializes in all aspects of structural engineering from parking, vertical structures, bridges, seawalls, and piers. We also specialize in hurricane hardening for governmental facilities. Our Subsurface Utility Engineering (SUE) team utilizes cutting-edge air/vacuum excavation and ground-penetrating radar to locate underground utilities and our geospatial team uses mobile LiDAR to map lengthy transportation corridors.

MUNICIPAL WORK EXPERIENCE

WGI has been providing these same services for municipalities throughout Florida for several decades, as evidenced by our over 150 continuing service contract and will bring that experience to the City. We are intimately familiar with the South Florida construction industry, local design practices, and permitting constraints. We have completed numerous infrastructure projects in Broward, Miami-Dade, and Palm Beach counties and this local familiarity will assist us in completing individual projects on time and within the established budget. We have used **e-Builder Enterprise** software with other municipal clients and are ready to continue using to effectively manage this contract. We are ideally suited to provide the City with professional services in all services required by this contract.

RESPONSIVENESS

WGI understands the importance of communication and responsiveness. Being both available and reachable is critical for any consultant/client partnership. We pride ourselves in our rapid response to phone calls, emails, and correspondence to ensure strong client relationships and communication.

Given the current situation surrounding COVID-19, WGI has implemented numerous steps and procedures to protect the health of our team members, clients, and community. WGI's implementation of cloud-based computing; ProjectWise for file sharing and data management; Bluebeam for quality control and plan review; and Zoom, Teams, and Jabber for communication all minimize potential exposure to the virus and will maximize efficiency to our business and your projects. Initiated years ago to enhance client services, these investments now allow WGI to safely serve our clients as we continue to address COVID-19 challenges.

COMMITMENT

The most important qualification WGI offers to the City is our commitment to support you in meeting your goals and objectives. We do that by developing technically sound deliverables on schedule and within your budget. We are committed to our municipal clients on every project.

Thank you for the opportunity to submit our qualifications. We look forward to demonstrating our ability and unequivocal commitment while serving the City of Pompano Beach.

Sincerely,



Shad Shafie
Vice President - Principal in Charge
 Shad.Shafie@wginc.com
 210.640.4462
 5710 W. Hausman Road, Suite 115
 San Antonio, TX 78249



Traci Scheppske, CGC, LEED AP
Customer Relations Manager
 Traci.Scheppske@wginc.com
 561.839.1756
 2035 Vista Parkway
 West Palm Beach, FL 33411



Jeffrey Bergmann, PE
Contract Manager
 Jeffrey.Bergmann@wginc.com
 561.839.1721
 2035 Vista Parkway
 West Palm Beach, FL 33411



TECHNICAL APPROACH

TECHNICAL APPROACH

PROJECT SCOPE DEFINITION

A detailed understanding of the City's needs is essential for successful execution of each component in a project's life cycle. From scope development, through design and construction, and into operation and maintenance, the City's goals and objectives will serve as the project's nexus. Implementation of the City's goals and objectives is WGI's responsibility. Based on WGI's experience with other municipal clients, the process below allows us to provide a clear and detailed understanding of our client's goals and objectives and provide sound technical solutions.



We use the City's goals and objectives as the project's pivotable link to provide sound technical solutions

Steps to a clear understanding of client's goals and objectives

TYPICAL WORK AUTHORIZATION PROCESS FOR THE PREPARATION OF DESIGNS, STUDIES, AND REPORTS

Work authorization assignments for professional services may include all or part of the Project Development Process. We understand under a continuing contract, task order assignments may require various approaches and processes. Additionally, WGI understands a project approach for unique and differing projects and services may not necessarily follow the same project development process traditional engineering projects follow.

WGI's team is prepared to provide the services requested by the City from planning and project development through design and construction completion.

The approach detailed on the following page represents a typical procedure WGI utilizes to perform work authorizations for professional service contracts. The intent of the approach is not only to represent the standard approach, but also to illustrate the levels of coordination, collaboration, and quality control built into our process. Our standard approach may include some or all of the following:

Project Development Process

1 Receive request from client

2 Review client's project scope

3 Coordinate with client

4 Site visit and gather documents and information

5 Kickoff meeting for staff and subs

6 Coordinate design activities with Utility Owners

7 Coordinate with subs on roles and expectations

8 Perform field surveying

9 Perform subsurface utility engineering

10 Present to client preliminary findings

Initial Phase - Project Development

1. Receive request from the City outlining the scope of work and visit the site with the appropriate staff members and subconsultants that will be involved in the project.
2. Review the project scope and define the project approach, including man-hour estimates and overall schedule.
3. Coordinate with the City staff to ensure the scope and deliverables are in compliance with the project goals, expectations, schedules and budget.
4. Perform reconnaissance of the project site. Compile existing records, drawings and other available data.
5. Schedule a design kick-off meeting with staff and subconsultants to define the communications protocol and to ensure complete understanding of the scope of services, schedule, and budget.
6. Coordinate engineering design activities including surveys, inspections and evaluations, collection of data, engineering feasibility reports and studies, and cost estimates. Utility coordination with providers such as FP&L, CATV, and others must occur during this step to identify potential conflicts and to define the resolution of those conflicts.
7. Coordinate with subconsultants on their role in the project and communicate plan expectations including deliverables, timing of submittals, and budgetary constraints.
8. Complete any necessary field surveying including, but not limited to, establishing a primary control network and performing the applicable survey utilizing the right tool for the job that addresses the specific needs of the City.
9. If necessary, perform SUE, using WGI's latest "soft dig" and ground penetrating radar technology. This data is then incorporated into the survey deliverable.
10. Meet with City staff to review the preliminary findings and discuss the approach to the project from the information gathered in this phase.

Preliminary Design Development of Plan/Report (30% Phase)

1. Prepare preliminary (30%) design plans and/or reports which include supporting calculations, cost estimates, and a schedule.
2. Conduct pre-application meetings with regulatory agencies.
3. Initiate a Peer Review of the 30% plans and incorporate comments into the plans or report.
4. Coordinate with subconsultants to establish the scope of deliverables and timing of submittals.
5. Meet with City staff to present the 30% plans, reports, and preliminary calculations and establish a timeframe for when comments will be received from staff.

Conceptual Development of Plan/Report - (60% Phase)

1. Prepare 60% design plans/reports including supporting calculations, specifications, construction cost estimates, and a schedule. This phase will incorporate comments received from the City in the 30% conceptual design phase including input and permit requirements/conditions from the regulatory agencies.
2. Prepare and coordinate legal documents and exhibits that will be needed for construction, ingress/egress, or infrastructure improvements.
3. Perform peer review and quality control review on plans/reports, calculations, and specifications.
4. Prepare and submit permit applications to required agencies. WGI incorporates a systematic approach to permit follow-up and tracking. We pride ourselves on our ability to address permit issues and secure permits in a timely manner.
5. Meet with the City staff, if necessary, and present the 60% plans/report and preliminary calculations and establish a timeframe for when comments will be received from staff.

Design Development of Plan/Report - (90% Phase)

1. Prepare 90% design plans/reports including supporting calculations, specifications, construction cost estimates, and a schedule. This phase will incorporate comments received from the City in the 60% design phase including input received from the regulatory agencies.
2. Prepare final legal documents and exhibits that will be needed for construction, ingress/egress, or infrastructure improvements.
3. Perform peer review and quality control review on plans/reports, calculations, and specifications.
4. Address all comments received from the permitting agencies and make the required changes to the plan and supporting documents to secure the permits. WGI will always keep the best interests of the City in mind when negotiating with the regulatory agencies. We have the experience and expertise to know when a permit comment or request is arbitrary and capricious and will do everything we can do to protect the City and mitigate any unnecessary or onerous conditions placed in the permits.
5. Secure all permits and inform the City of any special conditions or conditions that may affect the schedule or budget.
6. Perform Peer Review and Quality Control Review on plans/reports, calculations, and specifications.
7. Meet with the City staff, if necessary, and present the 90% plans/reports and preliminary calculations and establish a timeframe for when comments will be received from staff. We will give the City an update on the status of all permits and any outstanding issues at this stage.

**We coordinate
with our clients
at the end of
each stage
to ensure
the project
direction is on
target**

**Our process
is flexible and
is modified
to meet each
project's
specific needs**

Final Design Development of Plans/Report – (100% Phase)

1. Prepare 100% (final) documents including final reports, bid tabulation forms, specifications, plans, calculations, and final cost estimates. This phase will incorporate comments received from the City in the 90% design phase including input received from the regulatory agencies.
2. Perform a final peer review and quality control review on plans/reports, calculations, and specifications.
3. Meet with the City Staff to discuss the final plans/reports and permits and discuss how they will affect the implementation of the project.
4. Finalize and coordinate easements and exhibits necessary for the project.
5. Assist the City in preparing final bid documents and establish timeframes for when the project will be initiated.
6. Present project/report before the City Council.

Although the process above is applicable to most projects, we understand the need for flexibility and that it may not be appropriate for every project. For example, a site visit and the preparation of a project objective outline are critical components for scope development of a new structure or a structural building hardening project; however, those tasks may not be required for a structural assessment, conceptual probable construction cost or structure replacement.

QUALITY CONTROL

WGI understands the importance of a documented and rigid Quality Control (QC) procedure for all of the services provided. In fact, WGI has a corporate QA/QC policy that dictates the process for the firm. The attention given to this process achieves several objectives; primarily and most notably, that all services meet and/or exceed the requirements and expectations of the City. By exceeding the requirements, it will ensure that the WGI product and services meets the highest industry standards for technical quality and minimizes potential contractor claims. Every deliverable submitted to the City will be subject to our QC procedure to review the completeness and accuracy of reports, drawings, specifications, supporting calculations, and documentation.

Quality Assurance and Quality Control Process

Quality plans are the cornerstone of our firm's philosophy. Our staff clearly understands the value associated with delivering a quality product and the importance of this contract. Quality in a design project is closely tied to many factors, including adequate and experienced staff, comprehensive scheduling, and close coordination and communication between all interested parties. The WGI Team brings the expertise necessary to ensure these factors are closely monitored and achieved. WGI has adopted the quality control procedures used by the FDOT, which are systematic in nature and requires several different professionals to complete the checking and back-checking of work products. These procedures are incorporated into all of our designs. For your convenience, a graphic representation of our QC Process has been included in the next page. In addition, WGI has a Quality Assurance (QA) Manual that is specifically tailored to each of our design projects. The QA Manual addresses many issues and contains provisions for the following core items:

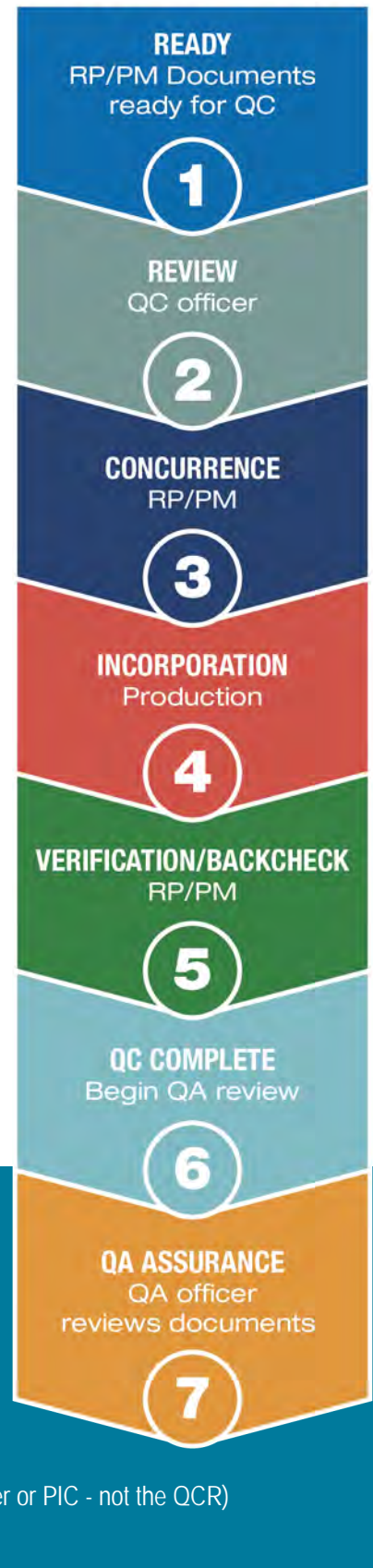
Plans/Report Checking Prior to any submittal, all plans/reports, including design calculations, will be checked and back-checked in accordance with the procedures outlined in the QA Manual to ensure compliance with current industry standards and codes. We also designate a single QC officer to review the entire submittal package for compatibility of design.

Scheduling The schedule must be realistic and comprehensive. All QA/QC activities must be built into the schedule and planned for just like any other project task. We know the importance of the QA/QC process as it relates to overall savings of time and costs and will utilize it to the fullest.

Peer Reviews Peer reviews are the highest level of action used to improve the quality of design projects. While this may not be specifically required, the Design Team will perform internal peer reviews prior to submittals as an added safeguard for the public and the City. It has been our experience that unbiased and diplomatic reviews by independent, high level professionals not only enhance quality, but can be also a highly cost-effective measure.

1. **READY** - RP/PM deems document ready for QC Review.
2. **REVIEW** - QCR reviews comments and marks using **YELLOW highlighter** for all correct items, **RED** pen to note change(s), and **BLUE** pen to comment or suggest to the RP/PM. QCR returns documents to RP/PM.
3. **CONCURRENCE** - RP/PM reviews QCR notes and using **GREEN** pen marks with a check to agree and incorporate, writes "STET" to leave as is, or writes a comment. RP/PM gives documents to production team member to make changes.
4. **INCORPORATION** - Production team member reviews comments from RP/PM and marks using **BLUE highlighter** to show changes have been made. Production team member returns corrected documents to RP/PM.
5. **VERIFICATION/BACKCHECK** - RP/PM reviews changes and marks using **YELLOW highlighter** over **BLUE highlighter** (to make **GREEN highlights**) showing all changes have been reviewed. All marks on documents should be **YELLOW** (correct on original) or **GREEN** (corrected via process). If performing electronic review (in Adobe), change the highlight properties and select the highlight color as needed.
6. **QC COMPLETE** - RP/PM files documents in QC Submittal Folder and send documents to QA Officer.
7. **QA ASSURANCE** - QA officer reviews, documents, and signs memorandum of compliance. Memorandum and copy of final QC plans, including tracking stamp, are scanned and filed electronically.

QC PROCESS



ROLES

RP - Responsible Professional (PIC, PM, EOR)

PM - Project Manager

QCR - Quality Control Reviewer (independent team member with no involvement in design decision process)

QA Officer - Quality Assurance Officer (independent team member who is senior engineer or PIC - not the QCR)

Production - Any member of production team





SCHEDULE

SCHEDULE

WGI will take full responsibility for all project management, peer review, and quality control tasks, as well as overall accountability for each assignment. Our contract manager, **Jeffrey Bergmann, PE** has successfully managed continuing services contracts for numerous municipalities. His work on continuing assignments has been performed on very challenging schedules with multiple tasks and competing deadlines. He is accustomed to handling simultaneous multi-project assignments and has been successful in delivering high quality services to all of his clients

WGI firmly believes that schedules are a function of manpower and the ability to effectively utilize that manpower. Jeffrey has at his disposal a very talented technical and support staff and a full array of field and office technology necessary to meet those demanding schedules.

Through the use of **e-Builder enterprise** each task assignment under this contract will be supported by a detailed, Critical Path Method (CPM) schedule. These schedules will include all major milestone events, and account for comprehensive quality control activities. **e-Builder enterprise** can incorporate individual task (project) schedules into an overall contract CPM schedule. This will be prepared at the contract's onset. As individual work authorizations are issued, they will be supported by an individual work authorization schedule and be integrated into the overall CPM database. This comprehensive contract-wide CPM database will allow the City and Jeffrey the ability to review each work authorization and readily identify resource commitments and milestone dates. WGI is currently employing a similar scheduling technique to successfully balance resources and track multiple active task assignments. It is a proven tool that will serve the City on this contract.

The most critical step to keeping a project on schedule and under budget, is to keep clear lines of communication open at all times over the duration of the project. Our philosophy is to always be in contact with our clients, not only through e-mails, but also through regularly scheduled meetings and telephone conversations. Keeping the client informed is paramount to a successful project. If issues arise in the design, permitting, or construction phases of a project, and lines of communication are kept open, these issues can usually be quickly and easily resolved.

Our contract manager and project manager will schedule time to meet and discuss the project on a regular basis and can schedule more frequent meetings should an issue develop.

An example of our ability to meet difficult project schedules and budget is best represented by a current project under design and construction. The Ocean Reef Club had undergone a complete remodel of a 1960 dining facility. There existed no construction documents for the 20,000 square foot structure. The ability to verify the structural layout was not possible due to scheduled commitments of the club and verification was postponed until the interior demolition was underway. During demolition it was discovered that the building structure was in a compromised condition which included: columns that had been removed, beams that had been cut, corroded columns, roof sheathing that was rotten, un-reinforced masonry walls, and major load path discontinuities. Our group mobilized engineering personnel along with laser scanners and in two weeks had the existing framing cataloged (drafted in CAD for the architect, MEP, and interior designer's use), analyzed, deficiencies identified and design solutions for each of the deficiencies. This effort was done within the scheduled demolition phase and there was no delay to the Club's overall completion schedule.

**Our
schedules
will be clear
and concise,
include
major
milestones,
and account
for quality
control
activities**



REFERENCES



POMPANO BEACH FISHING PIER

Pompano Beach, Florida

WGI was contracted by the City of Pompano Beach to design an 864-foot-long replacement fishing pier. Design of the pier walkway forms a circle around a bait shop and continues east. The walking surface is approximately 20-feet wide up to the mean high water mark. Beyond the mean high water line, the deck widens to 30 feet to the east end of the pier. In lieu of the previous octagonal shaped end, the structure was designed to represent the head of a pompano fish, similar to the City's logo. The walking surface deck was constructed utilizing concrete beams and wood decking.

Amenities on the pier include four shade structures, electrical outlets for maintenance staff, fresh water hose bibs, a dry fire line for fire safety, and three fish gutting stations. Design also includes lighting on the pier, which meets requirements for sea turtle-friendly lighting, along with environmental education signs.

Award Winning Project

For the work completed on the Pompano Beach Fishing Pier, WGI was recognized by the American Council of Engineering Companies (ACEC) of Florida as the recipient of an Engineering Excellence Award of Honor. The award is based on the use of unique and innovative applications; future value to the engineering profession; perception by the public; social, economic, and sustainable development considerations; complexity; and successful fulfillment of the client/owners' needs, including schedule and budget management.

REFERENCE:

Horacio Danovich
City of Pompano Beach
100 West Atlantic Boulevard
Pompano Beach, Florida 33060
p. 954.786.4669
e. Horacio.Danovich@copbfl.com

DATE STARTED:

Design: February 2014
Construction: July 2017

DATE COMPLETED:

Design: May 2017
Construction: July 2019

TOTAL COST:

Design \$459K
Construction Cost \$11.5M

PROJECT MANAGER:

Chris LaForte, PE

KEY STAFF:

Tim DeLand, PE
Jeffrey Bergmann, PE
Sasha Kishore, EI
Tim Sherwood, BI

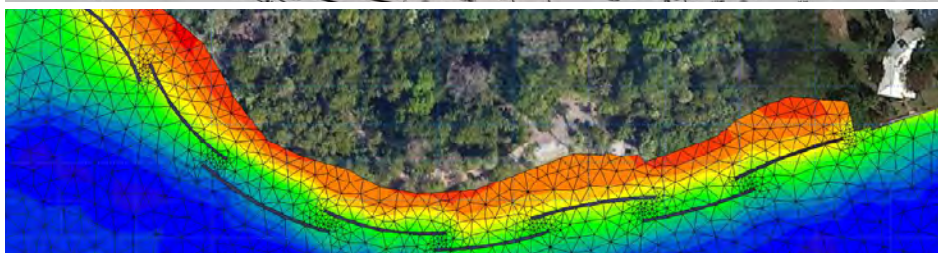




BILL KEITH PRESERVE SHORELINE RESTORATION

Broward County, Florida

The City of Fort Lauderdale engaged WGI to create a shoreline protection zone along the southern extent of the Bill Keith Preserve Park adjacent to the New River. The proposed shore protection is approximately 750 lineal feet and will be periodically separated to allow navigation for canoes, kayaks, paddle boards, and other small vessels. The New River is a deep navigable channel with depths up to 15 feet. The proposed shoreline protection consists of an alternating, offset, curved rip-rap groin structure in combination with a steel sheet pile toe wall for stabilization adjacent to the navigation channel. As part of the shoreline protection project, sediment transport, incipient wave, and channel flushing analysis of the groin impacts was performed. With the addition of the groin structure, WGI recognized that sediment depositions and the groin-shoreline water quality would be affected. Through the distinct yet simple geometry of the breakwater, WGI was able to significantly mitigate the anticipated shore erosion while maintaining the crucial environmental flushing needed for continued water quality.



REFERENCE:

City of Fort Lauderdale
Alex Rio
100 N Andrews Avenue
Fort Lauderdale, FL 33301
p. 954.828.5389
e. ario@fortlauderdale.gov

DATE STARTED:

Design August 2019

DATE COMPLETED:

Design December 2020

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

John Abbott, PG, CEP
Chris LaForte, PE
Sasha Kishore, EI

TOTAL COST:

Design \$80K





SUNRISE PUMP STATION NO.2

Broward County, Florida

WGI provided design and construction phase services for Sunrise Pump Station No. 2, a stormwater pump station with a standby generator building. The project consists of a concrete wet-well with submersible pumps and an emergency CMU generator building with a hollow-core ceiling and a standing seam metal roof. The wet-well has an aluminum trash rack with an automatic trash removal arm, and the canal banks have been protected with interlocking revetment mats. The limited construction space makes this project unique since all required equipment had to be configured to optimize the small site.



REFERENCE:

Mock Roos & Associates, Inc.
Garry Gruber, PE
5720 Corporate Way
West Palm Beach, FL 33407
p. 561.683.3113
e. garry.gruber@mockroos.com

DATE STARTED:

Design October 2010
Construction January 2015

DATE COMPLETED:

Design February 2014
Construction June 2015

TOTAL COST:

Design \$49K
Construction \$2.5M

PROJECT MANAGER:

Tim DeLand, PE

KEY STAFF:

Sasha Kishore, EI
Tim Sherwood, BI
Craig Burkhardt





PORT EVERGLADES POWER PLANT

Fort Lauderdale, Florida

The Port Everglades Power Plant has been upgraded to replace the existing generator systems with more efficient systems. As part of the overall plant revitalization, WGI's Structures Systems Division provided a structural evaluation, condition assessment and modification plans and inspections to the existing intake structure which fed the entire power plant with cooling water for the generators.

Based on our recommendations, the intake structure was rehabilitated safely in phases requiring minimal disruption to other facilities being replaced. Our tasks included providing a modified top to support the new intake pumps and debris racks and enhancing the intake walls to provide long-term corrosion resistance.



REFERENCE:

Florida Power & Light Company
 Mr. Dennis Donahue
 1 East 11th Street
 Riviera Beach, FL 33404
 p. 561.863.1837
 e. Dennis.Donahue@fpl.com

DATE STARTED:

Design June 2014
 Construction June 2014

DATE COMPLETED:

Design September 2014
 Construction September 2014

TOTAL COST:

Design \$48K
 Construction \$1M

PROJECT MANAGER:

Tim DeLand, PE

KEY STAFF:

Dave Mizelle





ALTON LAKE CROSSING RETAINING WALL

Palm Beach County, Florida

The Alton Development in Palm Beach Gardens contains a major lake crossing between the residential neighborhoods north of Grandiflora Road and the commercial parcel adjacent to Donald Ross Road. To link these distinct areas a dynamic roadway crossing was needed.

WGI designed a 200-foot long arched lake crossing with two parallel retaining walls. These retaining walls included large at-grade planters for trees and eight-foot and ten-foot wide pedestrian and bike shared-use paths offset from the roadway by four-foot green spaces woven into the sidewalk alignment. The exterior parapet walls of the crossing included two large cantilevered overlook viewing and seating areas at the center of the lake crossing. Special lighting was integrated into the decorative parapet columns along the crossing perimeter.

This integrated roadway, landscape, hardscape, and pedestrian-friendly crossing provides a key gateway between the residential and commercial areas of the development.



REFERENCE:

Kolter Homes, LLC
Mr. Scott Morton
701 S. Olive Avenue
West Palm Beach, Florida 33401
p. 561.515.4450
e. smorton@kolter.com

DATE STARTED:

Design April 2014
Construction July 2016

DATE COMPLETED:

Design September 2014
Construction September 2016

TOTAL COST:

Design \$29K
Construction \$720K

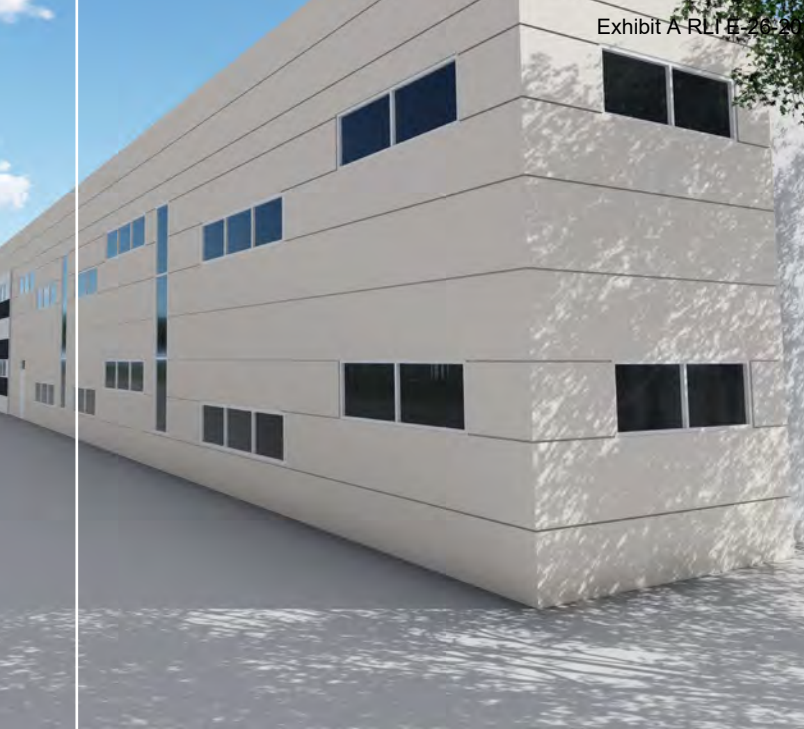
PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Sasha Kishore, EI
Craig Burkhardt





PALM BEACH SHERIFF'S OFFICE HQ - HURRICANE HARDENING

Palm Beach County, Florida

PBSO Building A is located on Gun Club Road in Palm Beach County and it houses the 911 Emergency Call Facility among other critical services. As part of an overall building space planning and renovation, Palm Beach County wanted to expand the call center in areas adjacent to the existing 911 hurricane hardened area; conduct a structural assessment of the existing facility to assess the perimeter envelope, allowable floor and roof loads, and provide construction documents for upgrading the building to meet current FBC hurricane loading requirements.

WGI performed an analysis of the existing building to establish the structure's allowable capacity. A frame analysis of the original and 1990 addition will be performed. Areas of concern were identified and recommendations for replacement or strengthening were provided. The foundations, floors, and roof were analyzed for their allowable capacity. Areas identified by the client as requiring additional support of equipment, storage, re-roofing, and a mezzanine infill were reviewed or designed with repair or enhancement recommendations provided for additional support and structural modifications.

WGI developed exterior envelope hardening options to obtain preliminary costs from the Construction Manager with two options developed. Option 1 included the use of exterior concrete panels, vertically supported by an independent foundation system and laterally connected to the existing structure at the roof diaphragms. Option 2 included an external reinforced CMU wall vertically supported by an independent foundation system and laterally connected to the existing structure at the floor and roof diaphragms. A concept design report was prepared to describe each of the options. Based on a review the County and PBSO drawings were developed showing typical reinforcing, connection to the existing structural floor framing, and connection at the foundation and roof level for Option 2.

REFERENCE:

Palm Beach County Facilities
Audrey Wolf
2633 Vista Parkway
West Palm Beach, FL 33411
p. 561.233.0200
f. 561.233.2002
e. awolf@pbcgov.org

DATE STARTED:

Design January 2017
Construction TBD

DATE COMPLETED:

Design Ongoing
Construction TBD

TOTAL COST:

Design \$163K
Construction \$12M

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Chris LaForte, PE





WESTERN REGION OPERATIONS CENTER

Palm Beach County, Florida

WGI provided structural engineering design and construction phase services for Palm Beach County's Western Region Operations Center (WROC). This center serves the Belle Glade, Pahokee, and South Bay area in Palm Beach County. The building consists of two 10,000-square foot pavilion structures which provide covered storage for portable generators, material and equipment laydown areas. The Center also includes a 16,337-square foot warehouse administration and repair shop, of which 8,680 square feet is warehouse; and a 2,600-square foot generator building. The buildings are designed to Risk Category III/IV with ultimate wind speeds of 180 mph and are constructed with reinforced masonry walls, concrete tie columns and beams, steel joist/structural steel roof framing members and steel roof deck. The shop buildings include a two-ton bridge crane supported from the roof structure and the pump wash section of the building includes a two-ton underslung monorail hoist.



REFERENCE:

Palm Beach County Water Utilities
Steve McGrew
8100 Forest Hill Boulevard
West Palm Beach, FL 33413
p. 561.493.6110
f. 561.740.4634
e. smcgrew@pbwater.com

DATE STARTED:

Design May 2014
Construction January 2016

DATE COMPLETED:

Design April 2015
Construction October 2017

TOTAL COST:

Design \$80K
Construction \$9.9M

PROJECT MANAGER:

Chris LaForte, PE

KEY STAFF:

Jeffrey Bergmann, PE
Sasha Kishore, EI
Tim Sherwood, BI
Dave Mizelle





AUDUBON CAUSEWAY BRIDGE

Palm Beach County, Florida

WGI provided design for a new two-lane bridge after performing an initial condition assessment and load rating. The bridge plans were phased to maintain one lane of traffic to the island at all times. In addition to the bridge design and replacement of the wingwalls and abutments, the existing utilities needed to be relocated. During construction, WGI attended meetings, reviewed shop drawings, conducted site visits, responded to contractor RFI's, and provided as-built drawings upon completion. A final inspection and final certification report were provided.



REFERENCE:

Mock Roos
 Garry Gruber, PE
 5720 Corporate Way
 West Palm Beach, FL 33407
 p. 561.683.3113
 e. garry.gruber@mockroos.com

DATE STARTED:

Design October 2013
 Construction November 2015

DATE COMPLETED:

Design October 2014
 Construction December 2017

TOTAL COST:

Design \$98.3K
 Construction \$1.29M

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Chris LaForte, PE
 Sasha Kishore, EI
 Tim Sherwood, BI
 Craig Burkhardt





WINDING WATERS BOARDWALK

Palm Beach County, Florida

Winding Waters Park boardwalks and observation towers were developed as part of a Palm Beach County initiative to provide new passive park systems which provide hiking through natural areas, including boardwalks to traverse wetlands and elevated decks to observe birds and other native wildlife living in the natural surroundings.

As a part of the park improvements, WGI's Structural Division staff designed the structural components of a new eight-foot wide by 300-foot long wood boardwalk supported on concrete piling. The use of IPE and Brazilian hardwood for the decks and railing system, combined with the concrete foundations for the boardwalks, will provide safe, low-maintenance facilities for long-term use by visitors to the Winding Waters nature trails and park.



REFERENCE:

Palm Beach County
Department of Environmental
Resources Management
Mr. Steven Pisano
2300 North Jog Road, 4th Floor
West Palm Beach, Florida 33411
p. 561.233.2521
e. spisano@pbcgov.org

DATE STARTED:

Design June 2013
Construction September 2014

DATE COMPLETED:

Design May 2014
Construction December 2014

TOTAL COST:

Design \$20.8K
Construction \$415K

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Chris LaForte, PE
Dave Mizelle
Tim Sherwood, BI





SPARROW DRIVE PEDESTRIAN BRIDGE

Palm Beach County, Florida

WGI provided the Village of Royal Palm Beach with design phase services for a 10-foot-wide pedestrian bridge over the canal alongside the south side of the Sparrow Drive Bridge between Royal Palm Beach Boulevard and Crestwood Boulevard. The bridge is a single span truss bridge approximately 130 foot in length and was funded through an FDOT LAP Grant. WGI provided bridge criteria specifications for the bridge as well as the necessary design and details for the bridge abutments and the bridge foundation.



REFERENCE:

Village of Royal Palm Beach
 Mr. Chris Marsh, PE
 1050 Royal Palm Beach Blvd.
 Royal Palm Beach, Florida 33411
 p. 561.790.5194
 e. CMarsh@RoyalPalmBeach.com

DATE STARTED:

Design October 2014
 Construction October 2016

DATE COMPLETED:

Design September 2016
 Construction January 2017

TOTAL COST:

Design \$36K
 Construction \$380K

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Chris LaForte, PE
 Tim Sherwood, BI
 David Mizelle





THE ESTUARY SEAWALL

Delray Beach, Florida

WGI staff performed design and construction monitoring services for a new concrete retaining wall supported on a helical pile foundation. The new retaining wall replaced an existing aluminum sheet pile that had failed. Wall design had to take into account limited construction access due to the existing buildings spread footing foundation located landward of the seawall and mangrove shoreline along the Intracoastal Waterway.



REFERENCE:
 Capital Realty Advisors, Inc.
 Mr. Jeffrey Steiner
 600 Sandtree Drive, Suite 109
 Palm Beach Gardens, Florida 33403
 p. 954.969.8786
 e. fljsteiner@gmail.com

DATE STARTED:
 Design January 2014
 Construction May 2014

DATE COMPLETED:
 Design May 2014
 Construction December 2015

TOTAL COST:
 Design \$38K
 Construction \$1.9M

PROJECT MANAGER:
 Chris LaForte, PE

KEY STAFF:
 Sasha Kishore, EI
 Tim Sherwood, BI





VETERAN'S PARK SEAWALL

Palm Beach County, Florida

Due to king tide events, Veteran's Park experienced significant flood damage to the park grounds. Veteran's Park seawall is approximately 630 feet long with a concrete king pile wall, concrete cap, and sheet piles including marginal docks spaced along the length of the wall. WGI conducted a visual inspection of the wall from the water side and top side to create a photo log and assessment of the project. Concrete failures (spalling, exposed rebar, and wall leaks) were identified along the length of the wall. WGI prepared construction documents for the repair of the concrete seawall and cap, and for the replacement of the marginal docks. Seawall repairs were based on field-identified structural and safety deficiencies. All existing marginal docks were removed and new marginal docks were constructed. Construction documents included calculations, plans, and specifications

This project was required to be constructed while still operating portions of the park. Arrangements were made to phase the construction, allowing the "Lady Delray" to operate while the repairs were made. By phasing and shifting work zones, the Delray Yacht Cruises were able to remain in operation and continue their daily cruises from the park.

In addition to the required repairs, preparations were made to immediately increase the seawall height twenty inches, plus an additional eighteen inches in the future to protect the park from potential sea level rise due to global climate changes.

REFERENCE:

City of Delray Beach
Mr. Isaac Kovner, PE
434 South Swinton Avenue
Delray Beach, Florida 33444
p. 561.243.7000
e. kovner@mydelraybeach.com

DATE STARTED:

Design August 2016
Construction June 2017

DATE COMPLETED:

Design May 2017
Construction March 2018

TOTAL COST:

Design \$55K
Construction \$1M

PROJECT MANAGER:

Tim DeLand, PE

KEY STAFF:

Sasha Kishore, EI
Andre Smith, EI
Dave Mizelle
Tim Sherwood, BI





ARDEN ENTRANCE BRIDGE

Palm Beach County, Florida

WGI provided structural engineering services associated with the design of a bridge inside the Arden Development. The bridge was designed to accommodate three traffic lanes and two sidewalks and had an overall length of 30 feet. The design was based FDOT and AASHTO specifications, including structural details and notes. A cost estimate was provided to the client to help with project budgeting. WGI obtained permits for the proposed construction from Palm Beach County Land Development.

Construction Administration services included a review of shop drawings; monitoring test pile driving; analyzing test pile driving results, including a computer analysis to determine production pile lengths and blow counts required for production piles; verifying filter cloth installation; and grouting of sheet pile panel joints. In addition, WGI performed inspections of concrete construction, including reinforcing steel and casting for pile caps, deck slab units, deck slab closure pours, sidewalks and medians, barrier walls, approach slabs, and inspected deck slab post-tensioning. As-built drawings and a certification package were provided.



REFERENCE:

Freehold Capital Management
Dan Rawn
2005 Vista Parkway
West Palm Beach, FL 33411
p. 561.801.7298
e. djr@freeholdcommunities.com

DATE STARTED:

Design May 2015
Construction June 2016

DATE COMPLETED:

Design August 2015
Construction September 2017

TOTAL COST:

Design \$61K
Construction \$700K

PROJECT MANAGER:

Tim DeLand, PE

KEY STAFF:

Dave Mizelle
Sasha Kishore, EI
Tim Sherwood, BI





ARTIFICIAL REEF PROJECT

Off The Coast Of Jupiter, Florida

As ardent supporters of the communities in which we live and work, WGI's Structural Systems Division proudly donated its time and services to The Andrew "Red" Harris Foundation's artificial reef deployment 1.5 miles offshore of the Jupiter Inlet in 50 feet of water.

Dedicated to building artificial reefs to preserve and enhance the marine environment in northern Palm Beach County, the Foundation specifically raises funds to build what are known as "reef cells" that are then donated to the Palm Beach County Artificial Reef Department for deployment on sites permitted for artificial reef construction.

WGI provided engineering analysis and production drawings that allowed the Foundation to gain approval from the County. WGI analyzed the free form modules for structural integrity and stability and worked with the fabricator to create a design that was easy to construct and met the requirements for deployment in the ocean. The modules will support coral growth, provide habitat for fish, and provide a base for sustainable marine growth.

The reef cell modules that best suit our oceanic environment do not meet conventional design criteria. With a reputation for providing services on challenging and unusual projects, WGI was eager to use our specialized knowledge and skills to help support this great cause and have a positive impact on the environment.

Most recently, WGI completed the engineered drawings for the 17-foot tall, 20,000-pound Jupiter Lighthouse replica, deployed in the middle of the *Andrew "Red" Harris No Shoes Reef* site off the Jupiter Inlet.

REFERENCE:

Andrew Red Harris Foundation, Inc.
Scott Harris
18230 River Oak Drive
Jupiter, Florida 33458
p. 561.747.5363
e. scottharrisins@gmail.com

DATE STARTED:

Design April 2016

DATE COMPLETED:

Design June 2016

PROJECT MANAGER:

Chris LaForte, PE





COONTIE HATCHEE KAYAK LANDING

Fort Lauderdale, Florida

The City of Fort Lauderdale desired to create a kayak and canoe launch area at the Coontie Hatchee Landing Park located at 1116 SW 151th Avenue, Fort Lauderdale. The project required stabilizing the existing bulkhead wall, removing sections of the existing seawall adjacent to the South Fork New River, installing a new varying height and continuous concrete cap to join the wall sections, and creation of a mangrove island in the approximate location of the existing seawall. The project's primary goal was the creation of a beach launching and landing area for canoes and kayaks.



REFERENCE:

City of Fort Lauderdale
 Thomas White
 100 N Andrews Avenue
 Fort Lauderdale, FL 33301
 p. 954.828.5350
 e. thwhite@fortlauderdale.gov

DATE STARTED:

Design: June 2017
 Construction: December 2019

DATE COMPLETED:

Design: January 2018
 Construction: August 2020

TOTAL COST:

Fees: \$50.5K
 Construction Costs: \$372.5K

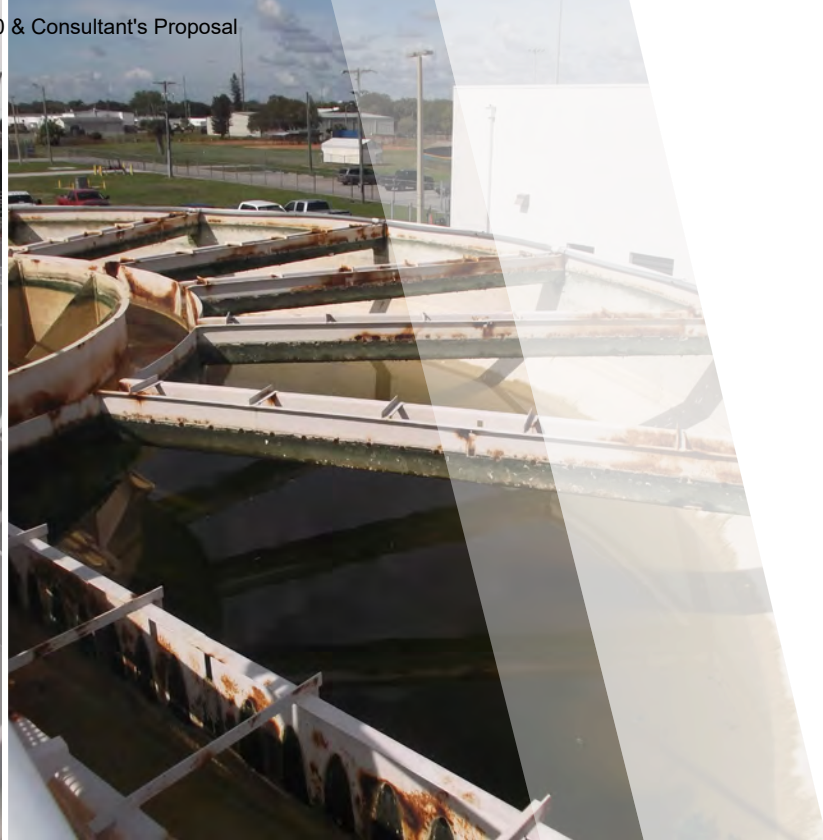
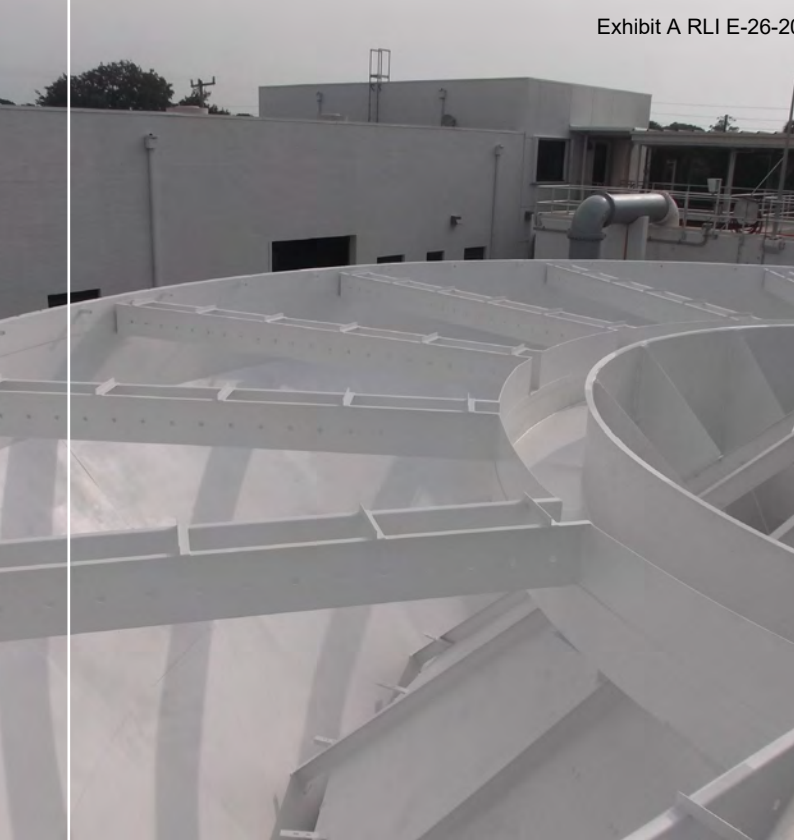
PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Sasha Kishore, EI
 Andre Smith, EI
 Chris LaForte, PE





FT. PIERCE UTILITY AUTHORITY (FPUA) SOFTENER REHABILITATION

St. Lucie County, Florida

The FPUA requested the lime softener clarifier be rehabilitated at their Water Treatment Plant. The scope of the project included replacement of the launders, removal and replacement of the corroded upper section of the tank, and the addition of hatchways for improved maintenance and service. The existing circular steel tank was modeled by Finite Element Analysis for the stress increase due to the proposed penetrations. A four-foot by four-foot hatchway was designed and the tank, in the region of the penetration, was reinforced with additional plating to compensate for the concentrated stresses. In addition to the structural analysis and construction documents, construction phase services were also provided.



REFERENCE:

Globaltech, Inc.
David Schuman
6001 Broken Sound Parkway,
Suite 610
Boca Raton, FL 33487
p. 561.997.6433
e. dschuman@globaltechdb.com

DATE STARTED:

Design July 2014
Construction October 2014

DATE COMPLETED:

Design October 2014
Construction April 2015

TOTAL COST:

Design \$30K
Construction \$750K

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Dave Mizelle
Tim Sherwood, BI
Andre Smith, EI





GREENACRES COMMUNITY CENTER

Palm Beach County, Florida

WGI provided structural engineering design services for the 16,000 square foot expansion of the Greenacres Community Center. The expansion was designed to serve as a semi-hardened facility for large meetings. The services included structural design for a multipurpose building function. The exterior walls were constructed with reinforced masonry, the roof structure was a combination of hollow core precast panels, sloped steel trusses, and heavy gauge steel deck. Modifications to the existing structure were made to accommodate the change in the combined structure. WGI provided construction administration and construction phase services as well.



REFERENCE:

City of Greenacres
 Terry Siegall
 5800 Melaleuca Lane
 Greenacres, FL 33463
 p. 561.642.2058
 f. 561.642.2049
 e. tsiegall@ci.greenacres.fl.us

DATE STARTED:

Design February 2015
 Construction June 2015

DATE COMPLETED:

Design June 2015
 Construction January 2016

TOTAL COST:

Design \$22K
 Construction \$4M

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Dave Mizelle
 Chris LaForte, PE
 Tim Sherwood, BI





PGA VILLAGE VERANO BRIDGE OVER C-24 CANAL

St. Lucie County, Florida

WGI designed a new three-span bridge to meet current AASHTO and FDOT requirements for traffic safety and Florida legal loads. The bridge accommodated two 12-foot travel lanes, two 5-foot bike paths, two 6-foot wide sidewalks, and bridge barrier walls. Structural engineering services included design of the substructure including foundation, end bents, intermediate bents, wing-walls, and superstructure, including wingwall deck and prestressed Florida I-beams. Also included was design of erosion control of the embankment and toe of slope, coordination with the civil engineer for horizontal and vertical alignment at the bridge approach, and determination of the low member criteria for South Florida Water Management District. WGI coordinated with the landscape architect for the bridge aesthetics. During construction, WGI reviewed shop drawings and coordinated with the geotechnical test lab for the test piles and pile driving analysis. WGI also conducted site inspections for pile driving, sheet pile wall installation, pile cap, verification of reinforcing steel and concrete casting, prestressed Florida I-beam fabrication, cast-in-place concrete deck, barrier walls, wing-walls, approach slab, bridge deck, substantial completion, and final certification.



REFERENCE:

Verano Development LLC
Bob Fromm
10911 SW Visconti Way
Port St. Lucie, FL 34986
p. 772.349.8065
e. rfromm@kolter.com

DATE STARTED:

Design February 2017
Construction May 2017

DATE COMPLETED:

Design May 2017
Construction January 2018

TOTAL COST:

Design \$96K
Construction \$3M

PROJECT MANAGER:

Tim DeLand, PE

KEY STAFF:

Chris LaForte, PE
Sasha Kishore, EI
Andre Smith, EI
Tim Sherwood, BI





WATER TREATMENT PLANT 8 ANION EXCHANGE PROJECT

Palm Beach County, Florida

WGI provided structural engineering support for the Anion Exchange System Project at Palm Beach County Water Treatment Plant 8. The various structural systems required in support of the Anion Exchange Project included demolition of existing phosphate feed and chlorinator rooms to create a single area to house new and future Variable Frequency Drives; design of a precast concrete building to support electrical controls and water sampling; design of two raft foundations to accommodate ten new and four future 10,000 gallon anion exchange vessels; design of an elevated catwalk to access the upper dome of the anion exchange vessels; design of water sampling station shelters; and design of a number of elevated pump base frames.



REFERENCE:

Globaltech, Inc.
Rick Olsen
6001 Broken Sound Parkway NW,
Suite 610
Boca Raton, Florida 33487
p. 561.997.6433
e. tlyn@globaltechdb.com

DATE STARTED:

Design November 2014
Construction January 2017

DATE COMPLETED:

Design October 2015
Construction June 2017

TOTAL COST:

Design \$60K
Construction \$11M

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Tim Sherwood, BI
Dave Mizelle
Chris LaForte, PE
Sasha Kishore, EI





WTP 8 FILTER BUILDING ROOF EVALUATION AND REPAIR

Palm Beach County, Florida

The upper section of the Filter Building was previously identified during WGI's Climate Resilience Study of PBC Water Utility Facilities as being structurally deficient from hurricane force winds. This building was identified as a possible source of wind borne debris in the study.

The building had a number of windows and wall panels which would have been breached and would possibly be further breached during an extreme wind event. Once breached, surface pressures at the roof edge would more than double in magnitude and thereby compromise the roof structure. The existing roof structure also had a removable section for the replacement and maintenance of the filter press equipment.

The project included the analysis, design, and preparation of construction documents to correct the deficiencies of the breached walls, windows, door, and overall building envelope. The project entailed additional steel bracing of the walls and roof; securing the roof deck to the structural framing; new impact windows; and installation of hold down latches at the removable roof. Additionally new roofing and flashing were installed.

REFERENCE:

Palm Beach County
Water Utilities Department
Steve McGrew
8100 Forest Hill Boulevard
West Palm Beach, FL 33413
p. 561.493.6000
e. smcgrew@pbcwater.com

DATE STARTED:

Design March 2015
Construction July 2016

DATE COMPLETED:

Design November 2015
Construction January 2017

TOTAL COST:

Design \$39.8K
Construction \$350K

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Tim Sherwood, BI
Dave Mizelle





WATER TREATMENT PLANT 8 LIME SLUDGE THICKENER STRUCTURAL REHABILITATION

Palm Beach County, Florida

In November 2015 WGI was contacted by Palm Beach County Water Utility Department (PBCWUD) regarding a recently installed motor replacement for its lime sludge thickener basin. The installed motor induced vibrations into the existing support bridge, causing vibration amplitudes in the order of 4 to 8 inches. WGI immediately investigated the cause and damage to the thickener basin and support bridge and provided structural analysis and an assessment report with recommendations to PBCWUD.

Following the report, WGI was engaged to provide structural design and construction drawings to retro fit the existing sludge thickener rake and motor support beams with enhanced support framing. The design and construction documents followed the design presented in the Structural Analysis and Assessment Report. The design transferred loading from the motor to an independent structural frame support, relieving the existing tank from the dynamic loads of the thickener motor assembly and bridge while providing a direct load path for those loads into an independent foundation.

REFERENCE:

Palm Beach County
Water Utilities Department
Steve McGrew
8100 Forest Hill Boulevard
West Palm Beach, FL 33413
p. 561.493.6000
e. smcgrew@pbcwater.org

DATE STARTED:

Design November 2015
Construction November 2017

DATE COMPLETED:

Design July 2016
Construction May 2018

TOTAL COST:

Design \$22.8K
Construction \$150K

PROJECT MANAGER:

Jeffrey Bergmann, PE

KEY STAFF:

Chris LaForte, PE
Dave Mizelle
Tim Sherwood, BI





92 MILTON AVENUE

Alpharetta, GA

92 Milton Avenue provides much-needed public parking to support the rapid growth and redevelopment of historic downtown Alpharetta, Georgia. Constructed on a constricted and irregularly-shaped site next to the City's historic cemetery, the garage provides 258 parking spaces in a four-level parking structure, plus on-street parking and surface parking for the adjacent animal hospital. Improvements to the surrounding area include updated stormwater management, ¼ mile of sidewalk incorporating brick pavers, and vehicle and pedestrian connectivity to the commercial buildings south of the garage. The building is constructed entirely of precast concrete with integrally-colored concrete and thin-set face brick in several colors and patterns in the facade panels. The facade architecture is intended to evoke an early 20th Century commercial building, with punched openings, gables, and cornices. Project features include headroom for over-sized vehicles on all levels, four charging stations for electric vehicles, 800 SF police substation, 4,200 SF of condominium retail space with grease trap, and trash enclosure. The project was delivered design-build. WGI led the design team and provided parking design and structural engineering services in-house.

REFERENCE:

City of Alpharetta
Pete Sewczwicz
Director of Public Works
p. 678.297.6200
e. Psewczwicz@alpharetta.ga.us

PROJECT DATES:

June 2017 - May 2019

DATA:

Levels 4
Spaces 258 in garage;
15 surface spaces

ROLE:

Structural Engineer
Parking Consultant
Prime Designer

COST:

\$6.9M





BRIDGE AND STOCKING PARKING STRUCTURE

Grand Rapids, Michigan

The Bridge and Stocking mixed-use development includes structured parking wrapped with residential, office, and retail construction. The development is located on the west side of Grand Rapids within the new energy district called "Circuit West." Rockford Construction, the owner, teamed with Consumer's Energy to incorporate sustainable and renewable energy for businesses and residents in the area. The addition of solar to the project includes 1,795 solar panels with most of them on the parking structure, utility scale battery storage, and infrastructure for electric vehicle charging stations.

WGI was retained to lead the parking structure design efforts for this mixed-use project while also providing parking, structural, and architectural design services.



REFERENCE:

Ken Bailey
Senior Vice President
Rockford Construction Company, Inc.
601 First St. NW
Grand Rapids, Michigan 49504
p. 616-432-6454
e. kbailey@rockfordconstruction.com

PROJECT DATES:

2016-2018

DATA

Levels	3
Spaces	272

STRUCTURAL SYSTEM:

Precast, Prestressed Concrete

ROLE:

Prime Design Consultant
Structural Engineer
Parking Consultant
Architect

TOTAL COST:

\$4.5M





JOHN'S ISLAND CLUB PLAZA RESTORATION

Indian River Shores, Florida

WGI's scope included an engineering assessment of the club house's plaza system and expansion joints, structural analysis, preparation of construction documents, and construction administration.

The existing plaza system had numerous failures making it difficult to navigate, hard to drain, and aesthetically unappealing to members and visitors to the club house. The existing plaza system and plants in the planter boxes were demoed and discarded. The installation of a new plaza system included a hot applied membrane, drainage mats, protection boards, new expansion joints, bi-level drains beneath new curbs, and pavers set in a herringbone pattern.

PROJECT HIGHLIGHTS

- Assessed plaza system and expansion joints
- Structural repairs
- Waterproofing repairs and protection



REFERENCE:

Rex A. Wilson, MBA, CFM
 Director of Facilities
 John's Island Club
 3 Johns Island Dr.
 Indian River Shores, FL 32963
 p. 772.231.8589
 e. rwilson754@johnsislandclub.org

PROJECT DATES:

2017-2018

STRUCTURAL SYSTEM:

Precast Structure

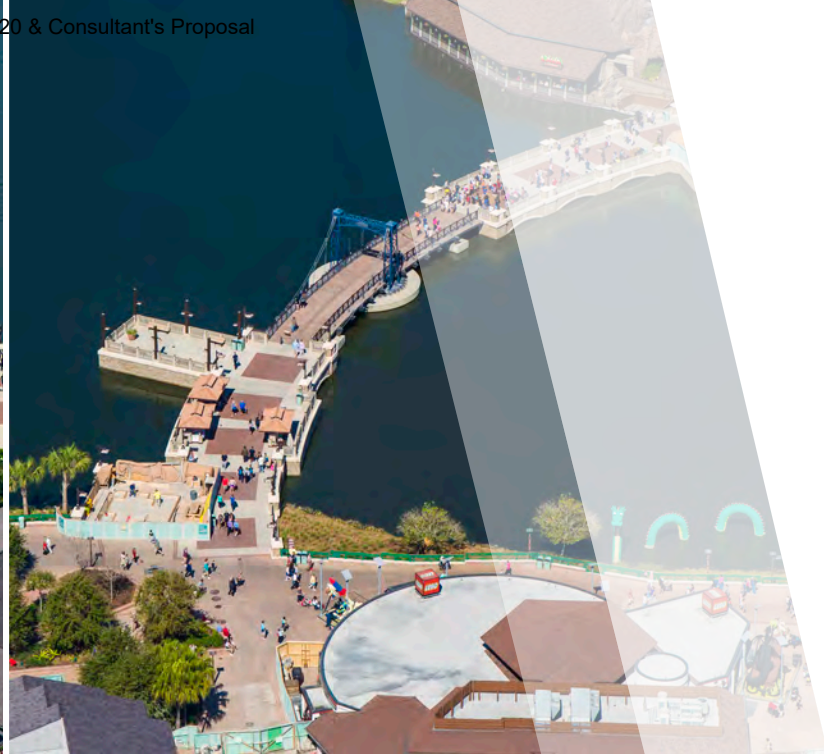
ROLE:

Evaluation
 Design Documents
 Bidding
 Construction Administration

TOTAL COST:

\$1.6M





DISNEY VILLAGE CAUSEWAY BRIDGE

Orange County, Florida

Disney Village, located near Orlando, Florida, is being renovated to include new shops and new parking facilities. As part of the transformation, a new storm-water treatment area was needed to provide a new settling rake for water quality and a control structure to limit the amount of water discharged. Disney Imagineering developed a concept bridge which had to function both as a control structure and a pedestrian walkway. WGI staff developed the walkway system which utilizes structured steel sheeting and cast-in-place concrete. Along the walkway, a weir system was installed to allow water to flow over the bisected lake/lagoon to provide the water storage and relief required to maintain water quality. The weir system of sheet piles was installed utilizing press-in technology which eliminates the vibration caused by conventional vibratory steel installation. The press-in technology allowed adjacent properties to remain open during construction. The final structure was embellished to provide the look and aesthetics associated with an old-fashioned swing bridge.



REFERENCE:

Blue Iron Foundations & Shoring, Inc.
Mr. Michael Carter
467 Lake Howell Road, Suite 104
Maitland, FL 32751
p. 407.427.7051
e. mcarter@blueironllc.com

DATE STARTED:

Design December 2013
Construction January 2014

DATE COMPLETED:

Design January 2014
Construction September 2015

TOTAL COST:

Design \$132K
Construction \$1.6M

PROJECT MANAGER:

Tim DeLand, PE





BOCA CLUB BRIDGE OVER INTERCOASTAL WATERWAY CAMINO REAL ROAD

Palm Beach County, Florida

WGI provided structural engineering design for the approach spans of the Boca Club Bascule bridge including the superstructure, sidewalk and barrier replacement, replacement of the abutments and intermediate piers 2 and 5 of the substructure, replaced the fender system with new walers and pile cable ties, replacement of east and west approach slabs, and designed and relocated a replacement for the bridgetender house. Design modifications were made to drainage scuppers on the bridge, relocation of traffic lights and barriers, upgraded existing guardrails, widening of the existing bridge lanes from 10 feet to 12 feet 6 inches with the inclusion of gutters. Modifications to the bascule spans, roadway grading, pedestrian guardrails, sidewalks and overhead lighting to accommodate the widened approach spans was also provided.



REFERENCE:

Palm Beach County
Roadway Production
Kristine Frazell-Smith, PE
2300 N. Jog Raod
West Palm Beach, Florida 33411
p. 561.684.4000
e. KFsmith@pbcgov.org

DATE STARTED:

Design January 2012
Construction March 2017

DATE COMPLETED:

Design December 2016
Construction December 2019

TOTAL COST:

Design \$724K
Construction \$9.95M

PROJECT MANAGER:

Chris LaForte, PE

KEY STAFF:

Sasha Kishore, EI
Craig Burkhardt





BUILDINGS 25-33-52 HURRICANE HARDENING CITY OF BOCA RATON

Boca Raton, Florida

WGI provided an assessment to determine the hurricane resiliency for Buildings 25, 33 and 52 at the Boca Raton Water Treatment Plant. The assessment followed with the preparation of construction documents for the Hurricane Hardening of these three buildings. Building 25 is a 1-story building housing the effluent pump station. Building 33 is a 2-story electrical building that requires the use of a manlift to close the second floor shutters. Building 52 is a 1-story digester building.

WGI conducted a site condition assessment at each of the three buildings and provided a report of findings and recommendations for repairs and upgrades or replacements at each building. Plans for each building were prepared identifying areas which needed remedial repairs, replacements, and upgrades. The plans included repair procedures and details for each type of work. A final quantities estimate and estimate of probable construction cost was provided.

WGI assisted the City with bidding, attended pre-bid meetings, and responded to contractor RFI's during the bidding process.

During the construction phase, WGI attended a pre-construction meeting, conducted shop drawing reviews, attended monthly meetings, conducted special inspections that included formwork embedments and reinforcing, concrete casting, placing precast panels and bolted/welded components, anchorage to existing building floor and roof structural members, wall to wall interconnections, metal deck attachment, window replacement, door replacements, louver replacements, window and door testing. Upon construction completion, WGI conducted a substantial and final completion inspection and provided a Certificate of Construction Completion to the owner.

REFERENCE:

City of Boca Raton
Talia Garcia, PE
Utilities Engineering Manager
1401 Glades Road
Boca Raton, Florida 33431
p. 561.338.7300
e. TGarcia@ci.boca.raton.fl.us

PROJECT DATES:

Design: May 2015 - December 2016
Construction: September 2018 -
November 2019

TOTAL COST:

Design \$126.1K
Construction \$878.5K

PROJECT MANAGER:

Chris LaForte, PE

KEY STAFF:

Jeffrey Bergmann, PE
Sasha Kishore, EI
Dave Mizelle
Tim Sherwood, BI





C. STANLEY WEAVER CANAL REVETMENT

Palm Beach County, Florida

As a part of Lake Worth Drainage District's on-going canal maintenance program, the L-38 canal system was reshaped to the required design selection to maximize drainage capacity. Canal bank slope protection was provided to stabilize and maintain the optimal flow area with precast articulate concrete mats that bi-directionally insure continuity.

WGI's Structures staff prepared the plans, including sizing the mats to minimize canal bank scour. Our construction team also monitored the installation of the mats for the district.



REFERENCE:
 Lake Worth Drainage District
 Tommy Strowd
 13081 South Military Trail
 Delray Beach, Florida 33484
 p. 561.498.5363
 e. tstrowd@lwdd.net

DATE STARTED:
 Design March 2008
 Construction May 2008

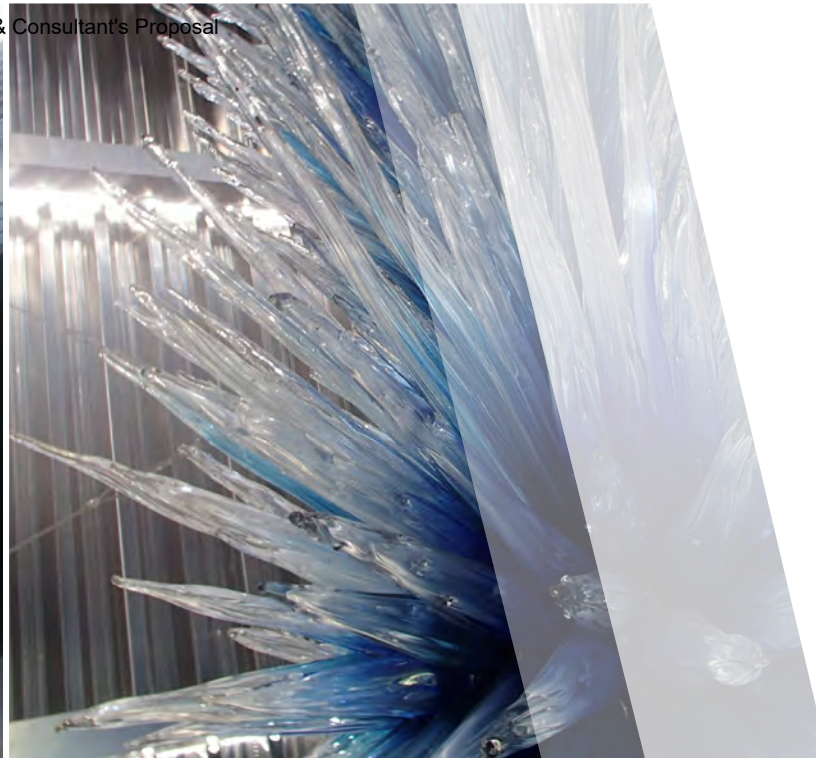
DATE COMPLETED:
 Design April 2008
 Construction May 2010

TOTAL COST:
 Design \$108K
 Construction \$1.5M

PROJECT MANAGER:
 Tim DeLand, PE

KEY STAFF:
 Sasha Kishore, EI
 Dave Mizelle
 Craig Burkhardt





CHIHULY SCULPTURE

Palm Beach Gardens, Florida

WGI provided the structural engineering services and construction phase services for the Chihuly sculpture support structure. In addition, a removable hurricane enclosure was designed to protect the sculpture from hurricane force winds and missile impact.

The removable shelter was designed to be assembled using hand labor without the use of large cranes and other equipment. The removable shelter was designed utilizing aluminum products and hurricane / impact resistant wall panels and roof plates.



REFERENCE:

Ms. Michelle Reisman
163 Valley Road
Toronto, Ontario M2L1G5 Canada
e. michellereisman@gmail.com

DATE STARTED:

Design August 2015
Construction October 2015

DATE COMPLETED:

Design September 2015
Construction November 2015

TOTAL COST:

Design \$11,875
Construction \$30,000

PROJECT MANAGER:

Tim DeLand, PE



PROJECTS PERFORMED FOR POMPANO BEACH

Pompano Beach Fishing Pier Replacement Project

WGI was contracted by the City of Pompano Beach to design an 864-foot-long replacement fishing pier. Design of the pier walkway forms a circle around a bait shop and continues east. The walking surface is approximately 20-feet wide up to the mean high water mark. Beyond the mean high water line, the deck widens to 30 feet to the east end of the pier. In lieu of the previous octagonal shaped end, the structure was designed to represent the head of a pompano fish, similar to the City's logo. The walking surface deck was constructed utilizing concrete beams and wood decking. Amenities on the pier include four shade structures, electrical outlets for maintenance staff, fresh water hose bibs, a dry fire line for fire safety, and three fish gutting stations. Design also includes lighting on the pier, which meets requirements for sea turtle-friendly lighting, along with environmental education signs.

For the work completed on the Pompano Beach Fishing Pier, WGI was recognized by the American Council of Engineering Companies (ACEC) of Florida as the recipient of an Engineering Excellence Award of Honor. The award is based on the use of unique and innovative applications; future value to the engineering profession; perception by the public; social, economic, and sustainable development considerations; complexity; and successful fulfillment of the client/owners' needs, including schedule and budget management.

Pompano Beach Water Treatment Plant Lime Softener and GST Coating

WGI provided structural engineering services for the Pompano Beach Water Treatment Plant which has a number of structures in need of re-coating and rehabilitation. Services consisted of rehabilitation and repair details and specifications for a number of structures at the Water Treatment Plant. Project is currently ongoing.

5th Avenue Bridge

WGI was engaged to assist The City of Pompano Beach to investigate raising the 5th Avenue Bridge approximately two feet to provide additional boat access beneath the bridge. The goal is to provide a low member elevation of the center span equal to the US Highway 1 Bridge along the same canal way. WGI prepared schematic 3D renderings of the bridge for presentation purposes.

SE 6th Avenue Terrace Bridge

The City of Pompano Beach requested a preliminary study at SE 6th Avenue Terrace Bridge to determine if roadway re-alignment was necessary to make the bridge crossing safer or if widening the approaches and relocating utilities was necessary. WGI provided the City with an aerial view of the bridge showing the preliminary impacts to the current roadway and driveways and provided a report describing the potential impacts and costs.

Terra Mar Bridge Study

The City of Pompano Beach requested a preliminary study of Terramar Bridge. WGI provided the City with an aerial view of the bridge showing the preliminary impacts to the current roadway and driveways and recommendation of items which needed to be addressed.

Terra Mar Drive and Palm Aire Drive Bridge

The existing Terra Mar Bridge was designated as deficient by FDOT. The project will entail repairs to the existing seawalls and pile caps. WGI was engaged by Whiting Turner to provide peer and constructability review, and value engineering as part of the design-build team.



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 E-26-20

Federal I.D.# 65-0271367

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Shad Shafie, PE	26	B.S.
Project Manager	Jeffrey Bergmann, PE	36	B.S.
Asst. Project Manager	_____	_____	_____
Other Key Member	Traci Scheppske, CGC, LEED AP	32	A.S.
Other Key Member	Chris LaForte, PE	13	M.S, B.S.

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	Florida Engineering & Testing, Inc. 250 SW 13th Avenue, Pompano Beach, Florida 33069	Mark Mesiano, PE
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

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 E-26-20

Federal I.D.# 65-0271367

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Shad Shafie, PE	26	B.S.
Project Manager	Jeffrey Bergmann, PE	36	B.S.
Asst. Project Manager	_____	_____	_____
Other Key Member	Tim DeLand, PE	15	B.S.
Other Key Member	Michael LeComte, PE	26	B.S.

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	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

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 E-26-20

Federal I.D.# 65-0271367

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Shad Shafie, PE	26	B.S.
Project Manager	Jeffrey Bergmann, PE	36	B.S.
Asst. Project Manager	_____	_____	_____
Other Key Member	Coriann Salas, PE	19	B.S.
Other Key Member	Andrew Kong	15	MBA, M.S, B.S.

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	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

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 E-26-20

Federal I.D.# 65-0271367

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Shad Shafie, PE	26	B.S.
Project Manager	Jeffrey Bergmann, PE	36	B.S.
Asst. Project Manager	_____	_____	_____
Other Key Member	Rob McConnell, PE	28	M.S., B.S.
Other Key Member	Thomas Tustin, EI	3	B.S.

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	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

COMPLETE THE PROJECT TEAM 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 RLI IN THE EBID SYSTEM.

PROJECT TEAM

RLI NUMBER E-26-20

Federal I.D.# 65-0271367

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	<u>Shad Shafie, PE</u>	<u>26</u>	<u>B.S.</u>
Project Manager	<u>Jeffrey Bergmann, PE</u>	<u>36</u>	<u>B.S.</u>
Asst. Project Manager	<u>_____</u>	<u>_____</u>	<u>_____</u>
Other Key Member	<u>Ken Widjaja, PE, SI</u>	<u>15</u>	<u>M.S, B.S.</u>
Other Key Member	<u>Andre Smith, EI</u>	<u>4</u>	<u>B.S.</u>

SUB-CONSULTANT

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

(use attachments if necessary)

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PROJECT TEAM

RLI NUMBER E-26-20

Federal I.D.# 65-0271367

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Principal-In-Charge	Shad Shafie, PE	26	B.S.
Project Manager	Jeffrey Bergmann, PE	36	B.S.
Asst. Project Manager	_____	_____	_____
Other Key Member	Jim Sullivan, PSM	23	B.S.
Other Key Member	William Needle, CS	36	B.S.

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	_____	_____
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Other Key Member	_____	_____

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PROJECT TEAM

RLI NUMBER E-26-20

Federal I.D.# 65-0271367

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Shad Shafie, PE	26	B.S.
Project Manager	Jeffrey Bergmann, PE	36	B.S.
Asst. Project Manager	_____	_____	_____
Other Key Member	Tim Sherwood, BI	27	H.S.
Other Key Member	Sasha Kishore, EI	22	B.S.

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	_____	_____
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Other Key Member	_____	_____

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Principal-In-Charge	Shad Shafie, PE	26	B.S.
Project Manager	Jeffrey Bergmann, PE	36	B.S.
Asst. Project Manager	_____	_____	_____
Other Key Member	John Abbott, PG, CE	24	M.S, B.S.
Other Key Member	Eric Luttmann, AIA	12	M.A.

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	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)



ORGANIZATIONAL CHART



Shad Shafie, PE
PRINCIPAL IN CHARGE

Jeffrey Bergmann, PE
CONTRACT MANAGER

Traci Scheppske, CGC, LEED AP
CLIENT RELATIONS MANAGER

Chris LaForte, PE
VERTICAL INFRASTRUCTURE

STRUCTURAL PROJECT MANAGERS

Tim DeLand, PE
HORIZONTAL INFRASTRUCTURE





STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

COMPANY PROFILE



WGI Fort Lauderdale Office

WGI'S HISTORY, PHILOSOPHY, AND ORGANIZATIONAL STRUCTURE

WGI is a national design and professional services firm leading in technology-based solutions for the construction of public and private infrastructure and real estate development.

WGI was founded in South Florida in 1972 and has continuously expanded our areas of expertise to help clients face global competitiveness, rapid and sustained urbanization, infrastructure investment shortfalls and funding gaps, and climate change. At WGI, we are industry leaders in creating successful and sustainable communities.

We take pride in a company culture that embraces technological advances. WGI consistently makes investments in tomorrow's technology and in our team members, so WGI can leverage those new technologies to deliver real and sustainable solutions for our clients.

The bottom line is that we continuously invest in technology and people in order to consistently commit to making our clients more successful.

MISSION STATEMENT

**Creative leaders
delivering tomorrow's
infrastructure solutions,
today.**

SERVICES

WGI is a full-service consulting firm providing a comprehensive range of professional services related to infrastructure. We continue to uphold our tradition of incomparable service and passion for innovation through our team of highly skilled and experienced professionals. WGI associates are dedicated to growing professionally and finding satisfaction in their work, characteristics that result in higher-quality products for our clients.

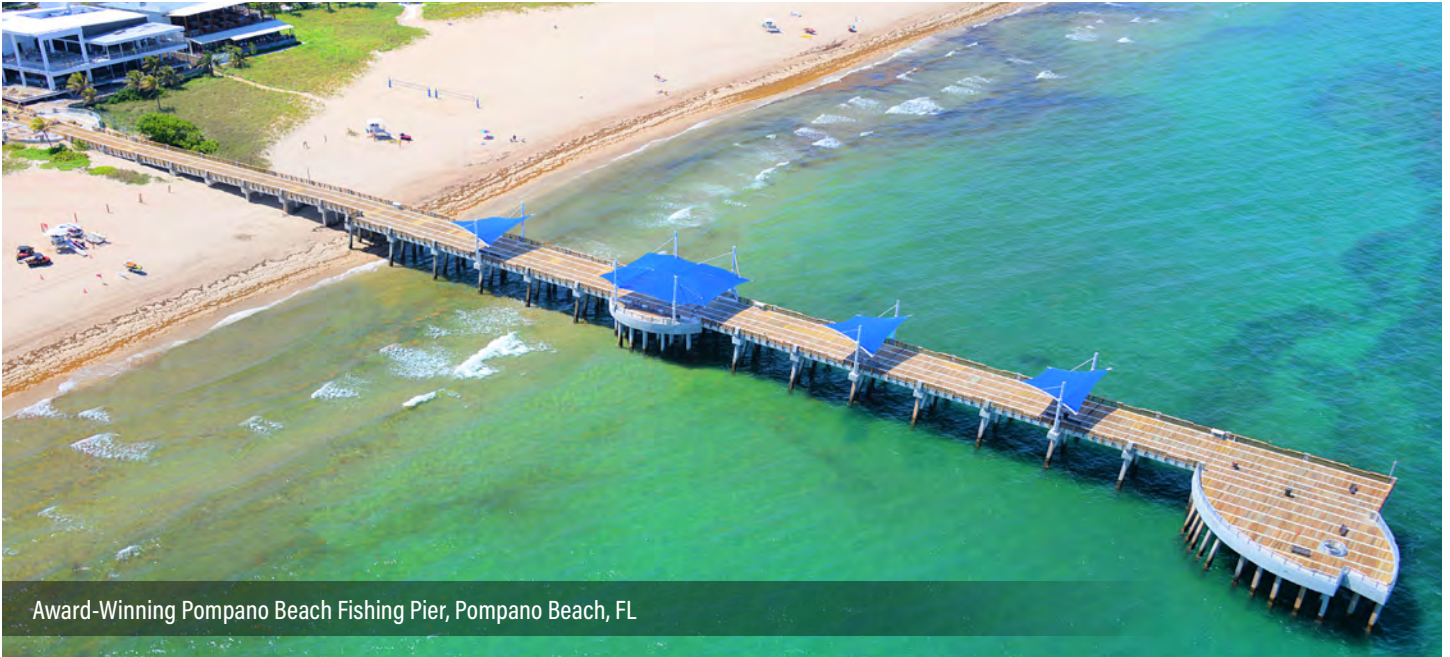
WGI serves municipalities and public agencies, as well as private clients. WGI staff remain dedicated to the development and economic prosperity of the communities in which they live and work. Our associates give back by supporting a variety of non-profits and professional organizations through their leadership, volunteerism, and sponsorship. Through this "work/life balance," we have retained long-term associates committed to WGI, our clients, and our future.

WGI SERVICES

- Structures
- Civil/Municipal Engineering
- Construction Engineering Inspections
- Traffic and Transportation Engineering
- Parking Solutions
- Surveying and Mapping Services
- Geographic Information Services
- Landscape Architecture
- Land Development
- Environmental Sciences
- Planning Services
- Architecture
- Subsurface Utility Engineering
- Mechanical, Electrical, and Plumbing Engineering
- Water Resources
- Creative Services



STRUCTURAL ENGINEERING



Award-Winning Pompano Beach Fishing Pier, Pompano Beach, FL

Structural engineering is more than its basic components; it must consider aesthetics, safety, long-term maintenance and repair, and blend significant elements with the surrounding environment. WGI's structural engineers demonstrate their expertise in all aspects of structural engineering services from parking and vertical structures, to bridges, seawalls, and piers, in addition to coastal hurricane hardening for governmental, institutional, and private clients.

We are industry leaders in the structural engineering design for mid-rise and high-rise buildings serving multiple development goals, successfully delivering significant, influential projects throughout the United States. Our structural engineers are well-versed in the specialized design of bridges, parking facilities, wastewater and stormwater pump stations, drainage control structures, cellular towers, and a variety of related specialty structures. One of our niche disciplines is the structural design and permitting of ocean piers.

STRUCTURAL ENGINEERING SERVICES

- Seawalls
- Retaining Walls
- Piers
- Building Hardening and Resiliency
- Water Control Structures
- Pump Stations
- Parking Structures
- High-Rise Buildings
- Peer Reviews
- New Bridge Design
- Bridge Repair and Rehabilitation
- Bridge Evaluation and Inspection
- Bridge Load Rating
- Bridge Maintenance Programs
- Boat Ramps
- Cell Towers
- Vertical Construction
- Mast Arms
- Overhead Sign Structures
- Pedestrian Bridges and Walkways

CONSTRUCTION ENGINEERING INSPECTION



Award-Winning Pompano Beach Fishing Pier, Pompano Beach, FL



Performed correctly, Construction Engineering and Inspection (CEI) services play an integral role in the successful implementation of a project's design intent. It can help a project stay on budget and finish within the contract schedule. WGI's construction services staff is comprised of engineers, inspectors, and administrators serving as a knowledgeable and reliable liaison between the owner, the architect/engineer, and the contractor. We have been providing construction related services to our public and private clients for decades.

Each project requires a unique, tailored approach, depending on factors including the complexity of the design, the involvement requested, and the scope of services required. WGI's Construction Services department has successfully completed municipal infrastructure construction projects for several of our Palm Beach County municipal clients.

CONSTRUCTION INSPECTION ENGINEERING SERVICES

- Marinas
- Seawalls
- Buildings
- Parking Structures
- Bridges
- Pump Stations
- Traffic Signals
- Municipal Infrastructure
- Recreational Structures
- Water/Wastewater Treatment Structure Rehabilitation

ARCHITECTURE



I-75 Charlotte County Rest Areas, Charlotte County, FL

WGI's architectural services are inspired by quality design that is timeless, efficient, and responsive to the surrounding context.

We believe architecture promotes building forms and spaces reflecting the facility's functions, where every design element serves a purpose. This approach focuses on doing more with less. We don't believe in expanding budgets through unnecessary, decorative embellishments masking the absence of true design. Our inventive design solutions are expressed through practical construction detailing, and incorporate long-life, high-performing, and low-maintenance materials and systems. Added value is designed into every project using Building Information Modeling (BIM) technologies and the innovative application of commonsense, sustainable design principles.

WGI's architects lead with invaluable experience, capabilities, and intangibles. Our professionals possess the innate abilities to interpret our clients' objectives, apply creative problem-solving, and resolve each challenge with its own custom solution. Appreciation and investment in our clients' goals inspires our service-oriented approach. WGI designs practical projects with creative results.

ARCHITECTURAL SERVICES

- Master Planning and Site Design
- Building Programming and Space Utilization
- Building Design from Concept through Construction Documents
- RFP Development and Criteria Design
- Permitting Assistance
- Bidding and Negotiation Assistance
- Construction Administration
- Building Information Modeling (BIM)
- Feasibility and PD&E Studies
- Data Collection for Existing Facilities
- Owner Representation
- Cost Estimating
- Eminent Domain
- Expert Witness Services
- Project Delivery Methods including:
 - Construction Manager at Risk
 - Design-Build
 - Design-Bid-Build

SURVEYING - MAPPING - SUE



Mobile LiDAR - City of West Palm Beach, FL

Successful design and construction projects begin with accurate geospatial information to facilitate engineering design. WGI efficiently delivers that information using the latest technologies and techniques, training our associates in the best possible ways.

In the 1960s, the race for the moon forever changed the evolution of all measurement sciences. The early 1970s introduced CADD systems and electronic distance measurement; the 1980s brought total stations and data collection; and the 1990s heralded Global Positioning Systems. Static, mobile, and backpack LiDAR systems soon followed, along with unmanned aerial systems.

Today, regardless of the geospatial assignment, our surveyors use cutting-edge approaches and technologies to minimize human error, provide more complete and accurate deliverables, and ensure a safer work environment for our associates and clients. By leveraging the latest means and methods, WGI helps our clients achieve their goals faster and with the greatest degree of accuracy.

SURVEYING AND MAPPING SERVICES

- Boundary Surveys
- Topographic Surveys
- Platting
- Construction and Heavy Infrastructure Support
- 2D and 3D Utility Mapping Surveys
- Global Positioning System Surveys
- Geographic Information Systems Services
- Hydrographic Surveys
- Static, Mobile, and Backpack LiDAR Services
- Building Information Management Services
- Photogrammetric Surveys
- Unmanned Aerial Systems Surveys
- Subsurface Utility Engineering Services
- Expert Witness Services



ENVIRONMENTAL



In-Water Assessments at the Blue Heron Bridge

The complexity of environmental regulatory processes requires knowledgeable professionals who understand the regulations and how they affect permitting success. WGI's environmental scientists combine up-to-the-minute knowledge of all regulatory changes with crucial regional knowledge developed through years of on-the-ground experience. Projects can be impacted by many environmental issues including wetlands, protected habitat, threatened and endangered species, water quality, historical and archaeological resources, and contamination. We identify these impacts and develop creative design options to avoid or minimize impacts and delays.

WGI's professionals have all relevant certifications needed to solve any environmental issue:

- Certified Environmental Professionals
- Professional Wetland Scientists
- Certified Arborists
- Certified Pesticide Applicators
- Professional Geologists
- Professional Engineers
- Certified Divers
- FDEP Stormwater, Erosion, and Sedimentation Control Inspectors
- FWC Authorized Gopher Tortoise Agents
- Professional Surveyors and Mappers
- FEMA Floodplain Managers
- LEED Accredited Professionals

ENVIRONMENTAL SERVICES

- Construction Inspection and Monitoring
- Contamination Assessments
- Dune Restoration
- Environmental Impact Statements
- Erosion Control
- Geographic Information Systems (GIS)
- Global Positioning Systems (GPS) Surveys
- Mangrove Permitting
- NEPA Compliance
- NPDES Compliance
- Phase 1 and 2 Environmental Site Assessments
- Seagrass and Coral Surveys
- Benthic Surveys
- Threatened and Endangered Species Relocation
- Tree Surveys
- Vegetation Removal Permitting
- Water Resources Planning
- Water Use Permitting
- Wetland Delineation and Permitting
- Wildlife Surveys
- Eminent Domain
- Expert Witness Services

MANAGEMENT PLAN

MATCHING EXPERIENCE TO EXPECTATIONS

The WGI Team includes industry experts in the fields of structural engineering, construction engineering inspection, surveying, and environmental permitting. It is the responsibility of WGI's Contract Manager, Jeffrey Bergmann, PE, to select a team of individuals with the widest breadth of experience and focused ability to successfully complete each and every work authorization issued. In other words, it is Jeffrey's responsibility to find the "right individuals for the job".

Jeffrey, working with the City's project manager, will present the project team to the City with the submittal of the specific work authorization scope and fee proposal. This process promotes a better understanding of our project approach and staffing decisions. This will allow both the City and WGI to manage expectations and project deliverables.

PROJECT COMMUNICATION PLAN

Communication is the most critical component to the successful completion of a project. To provide for consistent communication between the City and WGI, **we recommend implementation of a communication protocol that will utilize key points of contact within the City of Pompano Beach and WGI for each assignment.** Our contract manager will be the single point of contact for all contract-related aspects and has the responsibility of coordination with the City's project manager. Jeffrey will inform the City's project manager of the progress being made and ensure that all issues requiring the City's attention are discussed and resolved in a timely manner to avoid adverse impacts to the overall project schedule. Jeffrey will remain involved in the day-to-day operations of the contract(s) and is directly responsible to the City for our performance on all project assignments. This direct interface will facilitate communication. However, at any time during a task assignment Jeffrey will be available to assist in the coordination of the project.

Although email correspondence is an effective tool for communication and documentation, WGI believes that virtual meetings, telephone calls, and in-person meetings are imperative components for successful project delivery. Items discussed in meetings or telephone conversations will be transcribed into minutes or records of conversations and distributed to establish project reference documents. Progress reports, including updates on project budget, schedule, and any outstanding or upcoming technical issues will be prepared and distributed on a pre-determined periodic basis (weekly, bi-weekly, or monthly). WGI has found that the use of **e-Builder** for data and communication management is an effective way to create an easily accessible database for the entire project team. We have successfully utilized **e-Builder** on several projects.

Additionally, formal presentations to the City staff can be scheduled at your discretion. Status briefings, formal presentations, and workshops are encouraged as additional mechanisms to facilitate communicating significant technical issues, potential schedule delays, or other issues which appear significant. Our proposed protocol is flexible and can be modified easily to best suit the needs of each project and the City. We fully understand the nuances of municipal government and that projects can change due to stakeholder input. We will work closely with the City to be cognizant of this and flexible in our approach.



COST

The ability of WGI project managers to put the best interest of the City before anything else is what separates us from the competition. Controlling project costs is as important to WGI as it is to the City of Pompano Beach. The City will benefit from WGI's experience preparing an accurate budgetary opinion of costs during a project's planning phases and cost control during a project's design and construction phases. These project planning and execution activities significantly reduce costly over runs.

During the design process, WGI continually updates each project's opinion of probable construction costs and compares it to the City's construction budget. This process allows the City to make informed decisions on the design of all aspects of the project. It also makes it clear that expectations can be realized and how they can be accomplished via the design. Providing value engineering services helps the City maximize the return on each and every construction dollar.

REGULATORY AGENCIES

WGI has invested over three decades building relationships with the regulatory agencies at local, state, and federal levels. We have a very strong understanding of specific criteria, standards, and regulations that are implemented by the agencies. We understand the importance of agency coordination early in a project's planning phase in order to maximize efficiency of the regulatory review process and minimize potential adverse impacts associated with the proposed activity.

WGI's staff specializes in obtaining Environmental Resource Permits (including State Water Quality Certification) and Federal Clean Water Act Dredge and Fill permits, Gopher Tortoise Relocation/Conservation permits, National Pollution Discharge and Elimination System (NPDES) permits, water use/dewatering permits, and various types of right-of-way permits. WGI's staff include professional wetland scientists, arborists, and individuals that are certified as Authorized Gopher Tortoise Agents.

Key WGI environmental scientists have worked for state and federal regulatory agencies. For example, WGI Principal and Senior Vice President Michael Davis was a federal executive responsible for national wetlands, water resources, and environmental restoration policy, including the U.S. Army Corps of Engineers (USACE)/Environmental Protection Agency (EPA) wetlands program and the National Environmental Policy Act (NEPA). Michael has helped cities and counties to successfully navigate through challenging environmental issues.

Through scores of public projects, WGI's environmental scientists have coordinated extensively with EPA, USACE, Occupational Safety and Health Administration (OSHA), Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), U.S. Fish and Wildlife Service (FWS), and the Florida Department of Transportation (FDOT), as well as various municipalities. Our team also has extensive experience with NEPA regulations and has compiled numerous NEPA documents for both public entities and private sector clients seeking federal funding for the design and/or construction of projects. WGI team members have prepared detailed Environmental Impact Statements, Environmental Assessments, and Categorical Exclusions for projects located throughout the State of Florida.

We can significantly reduce costly over runs by providing accurate budgets and diligent cost control

Our relationships and familiarity with regulatory agencies' requirements allow us to maximize efficiency during regulatory the review process

ADDRESSING UNEXPECTED ISSUES

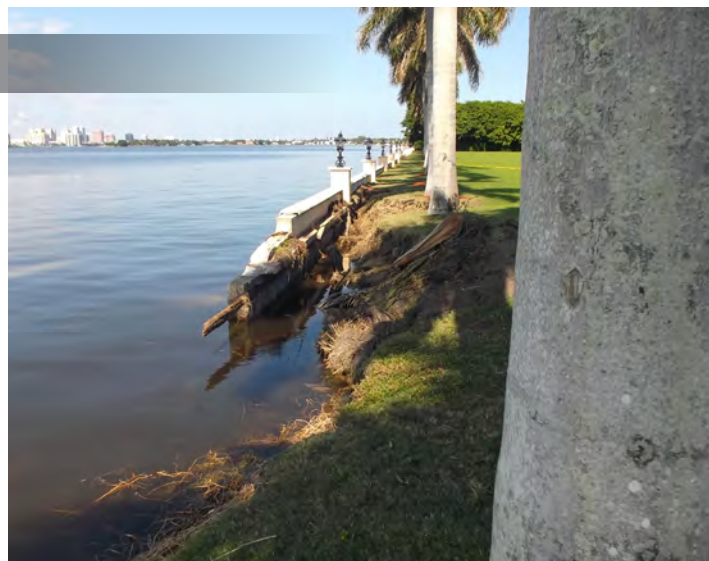
Proper and diligent planning can reduce the number and significance of unexpected issues, but unexpected issues can present themselves no matter how prepared you are. Typically the impact these events have on a project is determined by how contract managers, project managers, and other team members respond. The best tool we have for preventing unexpected issues and limiting their impact is timely, clear, and effective communication as soon as the issue presents itself.

If an unexpected issue arises, Jeffrey will identify the parameters of the issue, gather data, and notify the City's contract and project managers immediately while WGI analyzes potential solutions to the issue. The earlier the issue is identified, communicated, and resolved, the less potential it has to adversely impact a project's budget and schedule. Once an agreeable solution can be determined, WGI will identify if an amendment to the scope is required to accommodate the change. If an amendment is required, it will be prepared swiftly for review by the City. Once the contractual revisions are completed and approved by the City, WGI will complete the implementation of the solution. However, we will do our best in addressing these potential scope changes within our contracted scope to alleviate change orders and project delays.

Samples of Unexpected Issues



Discovery of a missing steel connection during routine inspection for a beach pavilion.



Emergency Inspection following seawall failure.



Discovery of a column which was removed during a prior remodel.



Discovery of bridge structural failure following a satisfactory rating by FDOT.

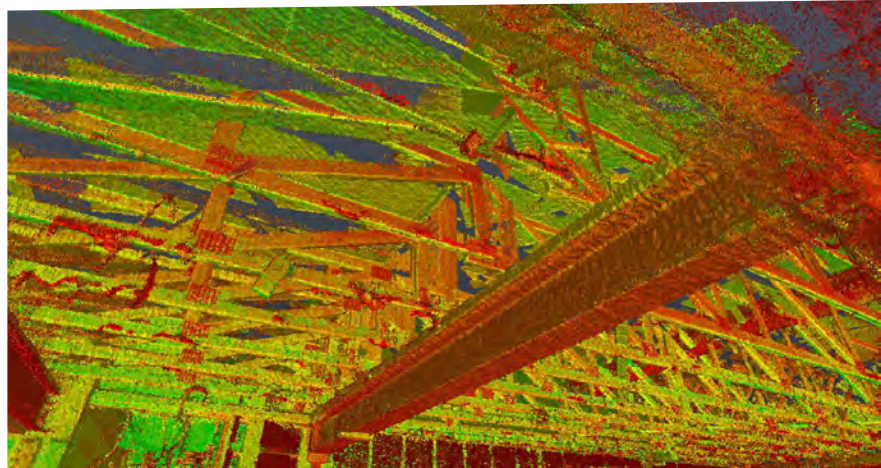
INNOVATIVE APPROACHES

WGI employs the most cutting-edge technology in the field. This includes vehicle mounted and personnel equipped mobile LiDAR, as well as aerial and aquatic drones for a variety of data collection capabilities. Our mobile LiDAR will allow us to create a digital 3D scan of the project limits within a matter of a few hours versus weeks of labor-intensive data gathering efforts with traditional survey methods. This includes route scanning for linear projects, stationary scanning for large enclosed spaces, or utilizing our backpack LiDAR unit to allow data collection in confined or heavily vegetated areas.

The data from the 3D scanning methods can be used to collect topographic features, identify drainage flows, and inventory trees. Our mobile LiDAR will allow us to create a City-wide inventory of assets, including fire hydrants, valves, and drainage structures in a very short timeframe. For the City of Lake Worth Beach WGI performed route surveys on 101 miles of municipally owned roadways within a week. Substantially reducing the field data collection time and effort, while maintaining the safety of staff and residents.

Our fleet of aerial drones allows us to collect imagery as well as provide topographical data for more expansive areas. The Z-Boat, or autonomous surface vessel (ASV), can collect bathymetric data at a fraction of the time it could take using a typical manned vessel and data logger. Utilizing this technology allows us to significantly cut down on analysis and data collection times, reducing the overall design schedule and ultimately saving the City money.

Samples of WGI's Innovative Technology



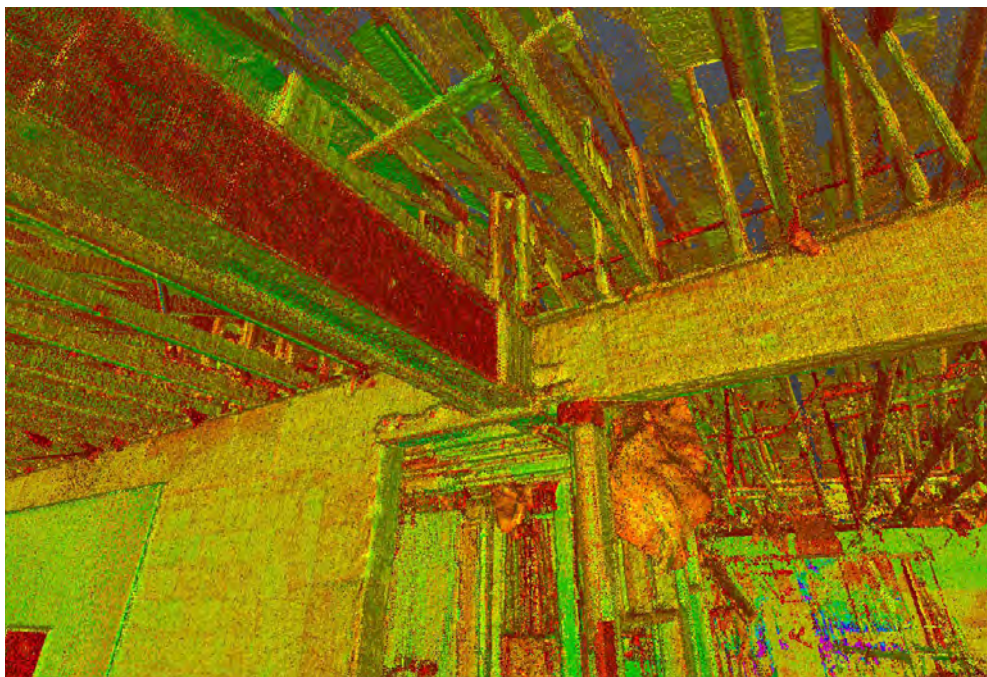
WGI uses a variety of 3D visualization software and equipment to help our clients truly visualize a project. This includes software to develop renderings of proposed improvements as well as virtual reality goggles to allow clients to navigate the projects.



Samples of WGI's Innovative Technology

Value Engineering

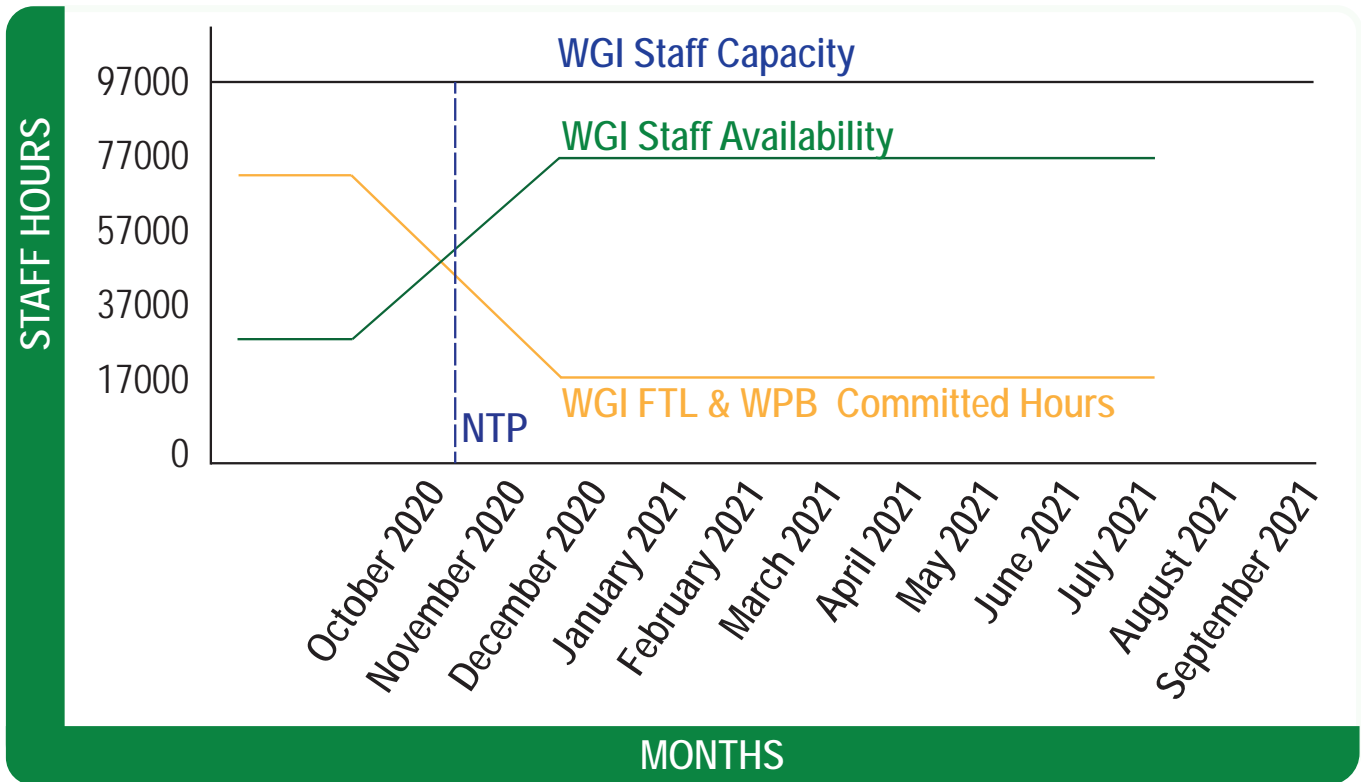
Value Engineering (VE) is an organized, effective approach to efficiently identify unnecessary costs, especially those that do not measurably contribute to quality, utility, safety, durability, appearance, or permitting requirements. Sound economic design is the foundation of WGI's design process.



The data from the 3D scanning methods can be used to collect structural features. LiDAR allows us to create a 3D map of measurable structural components and building dimensional data in a very short timeframe.

STAFF WORKLOAD AND AVAILABILITY

WGI currently employs nearly 600 highly skilled and experienced professionals committed to excellence and unsurpassed service to our clients. With our depth of staff, we are able to provide our clients the most competent and efficient service available. The size of our staff resources allows us to maximize staff allocations and typically exceed project milestones. What this means to the City of Pompano Beach is that WGI has immediate access to ample resources, whether identified in the staffing matrix or not, to meet the City's technical, budgetary, and scheduling needs.



STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

The most important qualification WGI brings to the City of Pompano Beach is the commitment of the firm, at all levels, to develop successful projects; projects that are technically sound, delivered on schedule, and within budgetary guidelines. **The depth of our team, shown on the next few pages of this proposal, provides ample capacity to competently complete all assignments in a timely manner.** Commitment, dedication, and teamwork are all qualities that the WGI Team brings to the City. This commitment has been clearly demonstrated by WGI's superior service and professionalism over the years in providing similar structural engineering services on a continuing basis for clients such as the City of Boca Raton, City of Fort Lauderdale, Town of Jupiter, City of West Palm Beach, City of Lake Worth Beach, City of Delray Beach, Village of Palm Springs, Palm Beach County, Martin County, St Lucie County, Northern Palm Beach County Improvement District, South Florida Water Management District, Florida Department of Environmental Protection, and Florida Department of Transportation.

WGI EXPERIENCED CUSTOMER-DRIVEN PROFESSIONALS

WGI's philosophy regarding client management is based on proactive communication to ensure contract management efficiency and that projects are delivered exceeding client's expectations. Our experience successfully managing hundreds of continuing services contracts, for municipal and state agencies, has proven effective communication is achieved by providing our clients a single point of contact. We learned having a dedicated contract manager for the administrative tasks, and a technical expert to handle all project related matters is the best organizational approach, as shown on our general organizational chart.

Following is a staffing chart including technical experts to support each project manager delivering projects to the City. Team members denoted with a ★ will have a resume in the following section to show the depth of professional staff offered to the City

	NAME	ROLE	YEARS EXP.	% OF AVAIL.	LOCATION	PROFESSIONAL LICENSES
★	Jeffrey Bergmann, PE	Contract Manager	36	50%	West Palm Beach, FL	FL - PE 50159
★	Shad Shafie, PE	Principal in Charge	26	50%	San Antonio, TX	FL - PE 55764
★	Traci Scheppske, CGC, LEED AP	Client Relations Manager	32	60%	West Palm Beach, FL	FL - CGC 1516581
★	Chris LaForte, PE	Project Manager Vertical Infrastructure	13	60%	West Palm Beach, FL	FL - PE 76797
★	Tim DeLand, PE	Project Manager Horizontal Infrastructure	15	60%	West Palm Beach, FL	FL - PE 71588
★	Michael LeComte, PE	Structures QA/QC	26	50%	Fort Lauderdale, FL	FL - PE 57156
★	Coriann Salas, PE	Deputy Project Manager Bridges, Seawalls, and Retaining wall	19	35%	Fort Lauderdale, FL	FL - PE 64779
★	Andrew Kong	Restoration	15	50%	Charlotte, NC	
★	Rob McConnell, PE	Project Manager Parking	28	35%	Charlotte, NC	FL - PE 75205
	Doug Gannon, PE/SE	Parking Lead Structural	21	35%	Indianapolis, IN	IN - PE 10300054
	Ben Sands	Parking Operational	19	35%	Charlotte, NC	

	NAME	ROLE	YEARS EXP.	% OF AVAIL.	LOCATION	PROFESSIONAL LICENSES
★	Ken Widjaja, PE, S	Vertical Structures, buildings towers, building hardening, construction	15	65%	West Palm Beach, FL	FL PE 74108
★	Tim Sherwood, BI	Building Inspector	27	30%	West Palm Beach, FL	FL BI BN4893
★	Sasha Kishore, EI	Construction Engineering Inspector	22	30%	West Palm Beach, FL	FL EI 1100003780
★	Andre Smith, EI	Water/Wastewater/Water Control, Recreational, seawall, Ocean Piers, retaining walls	4	50%	West Palm Beach, FL	FL EI 1100020735
★	Thomas Tustin, EI	Water/Wastewater, water control, recreational, seawall, Ocean Piers, retaining walls	3	70%	West Palm Beach, FL	FL - EI 1100021064
	Nicole Swanteson	Building/Water/Wastewater Recreational	1	80%	West Palm Beach, FL	
	Kali McNeile, PE	Bridges, retaining walls, and seawalls	5	50%	Fort Lauderdale, FL	FL PE 88599
	Julian Gomez, EI	Bridges and seawalls	6	65%	Fort Lauderdale, FL	FL - EI 1100019898
★	Jim Sullivan, PSM	Project Manager Survey, Mapping and SUE	23	50%	West Palm Beach, FL	FL - PSM LS6889
	Eric Matthews, PSM	Project Surveyor	25	75%	West Palm Beach, FL	FL - PSM LS6717
	Jason Alvarez, CST II	Project Coordinator	20	75%	West Palm Beach, FL	
	Erik Brueningsen, PE	Utility Coordinator/SUE	36	50%	West Palm Beach, FL	FL - PE 38564
★	William Needle, CS	Project Manager Construction Engineering Inspection	36	45%	West Palm Beach, FL	MA - CS 66577
★	John Abbott, PG, CEP	Project Manager Environmental	24	40%	West Palm Beach, FL	FL - PG PG2401
	Michael L. Davis	Environmental QA/QC	41	5%	West Palm Beach, FL	
	Amanda Montgomery, PWS	Environmental/Permitting	5	60%	Fort Lauderdale, FL	
	Rick Harman, PWS, CEP, CA	Environmental/Permitting	17	60%	West Palm Beach, FL	
	Katy Christie, PWS	Environmental/Permitting	11	80%	West Palm Beach, FL	
	Christa Cherry, CEP-IT	Environmental/Permitting	3	90%	West Palm Beach, FL	
★	Eric Luttmann, AIA	Project Manager Architecture	12	65%	Tampa, FL	FL - RA AR97111
	William Kenney, Jr.	Architectural Designer	4	65%	Tampa, FL	
★	Mark Mesiano, PE	Geotechnical	25	50%	Pompano Beach, FL	FL - PE 48202

TECHNICAL EXPERTS + TECHNOLOGY

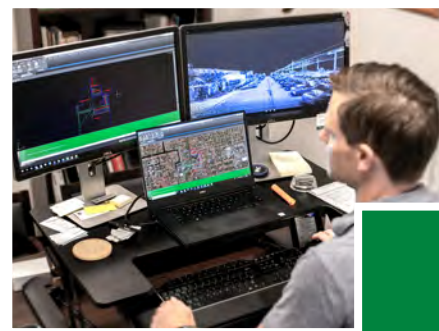
THE BEST



ASSETS



WE HAVE



TO OFFER



RESUMES OF KEY PERSONNEL



CONTRACT MANAGER

Jeffrey has vast experience in managing civil and structural engineering projects in both the public and private sectors related to regulatory compliance, structural and civil engineering design and construction, construction administration, and contract management.

RELEVANT EXPERIENCE

Pompano Beach Fishing Pier Replacement Project - CEI Services, Broward County, FL, City of Pompano Beach, Principal. Jeffrey provided quality assurance and constructability review of the pier construction documents. WGI was contracted by the City of Pompano Beach to design an 864-foot-long replacement fishing pier. Design of the pier walkway forms a circle around a bait shop and continues east. The walking surface is approximately 20-feet wide up to the mean high water mark. Beyond the mean high water line, the deck widens to 30 feet to the east end of the pier. In lieu of the previous octagonal shaped end, the structure was designed to represent the head of a pompano fish, similar to the City's logo. The walking surface deck was constructed utilizing concrete beams and wood decking. Amenities on the pier include four shade structures, electrical outlets for maintenance staff, fresh water hose bibs, a dry fire line for fire safety, and three fish gutting stations. Design also included lighting on the pier, which meets requirements for sea turtle-friendly lighting, along with environmental education signs.

Award Winning Project - For the work completed on the Pompano Beach Fishing Pier, WGI was recognized by the American Council of Engineering Companies (ACEC) of Florida as the recipient of an Engineering Excellence Award of Honor. The award is based on the use of unique and innovative applications; future value to the engineering profession; perception by the public; social, economic, and sustainable development considerations; complexity; and successful fulfillment of the client/owners' needs, including schedule and budget management.

Water Treatment Plant No. 8 Lime Sludge Thickener Support Beam Design, Palm Beach County, FL, Palm Beach County Water Utilities Department, Project Manager. Jeffrey performed a structural analysis of the existing sludge thickener rake and motor support beams. The structural analysis included the findings and recommendations for the structural support beams, platform and walkways. WGI provided structural design and construction drawings to retrofit the existing sludge thickener rake and motor support beams with enhanced support framing. The design and construction documents followed the conceptual design presented in the March 2016 Structural Analysis Report. WGI provided permitting and construction phase services to include submitting signed and sealed plans to Palm Beach County Building Department, attendance at pre-construction meeting, performed shop drawing reviews, site visits during construction, final inspection, and record drawings.

Western Region Operations Center (WROC) CPS, Palm Beach County, FL, Palm Beach County Water Utilities Department, Project Manager. Jeffrey provided structural engineering design and construction phase services. WGI provided structural engineering design and construction phase services for Palm Beach County's Western Region Operations Center (WROC). The WROC serves the Belle Glade, Pahokee, and South Bay area in Palm Beach County. The building consists of two 10,000-square-foot pavilion structures that provide covered storage for portable generators, materials, and equipment laydown areas. It also included a 16,337-square-foot warehouse administration and repair shop, of which 8,680 square feet is warehouse; as well as a 2,600-square-foot generator building. The buildings were designed to Risk Category III/IV, with ultimate wind speeds of 180 mph and are constructed with reinforced masonry walls, concrete tie columns and beams, steel joist/structural steel roof framing members, and steel roof deck. The shop buildings included a two-ton bridge crane supported from the roof structure and the pump wash section of the building included a two-ton underslung monorail hoist.

Miami Veterans Administration (VA) Hospital Cooling Tower, Miami-Dade County, FL, Department of Veterans Affairs, Project Manager. Jeffrey was responsible for preparing construction documents for the removal and replacement of the deteriorated walls and beams. He conducted construction observations and documented with reports and photo documentation. WGI provided structural design services to replace sections of the deteriorated concrete walls, indicated a sequence of construction and reconstruction of the fan support beams at the upper level. WGI also prepared construction documents for the removal and replacement of the deteriorated walls and beams.



Jeffrey
Bergmann, PE

REGISTRATIONS:

Professional Engineer: Florida
#50159, 1996

EDUCATION:

Bachelor of Science, Civil
Engineering - University of New
Mexico, 1984

AFFILIATIONS:

American Society of Civil
Engineers
Florida Engineering Society

YEARS OF EXPERIENCE

TOTAL: 36
WITH WGI: 7



PRINCIPAL IN CHARGE

Shad has vast experience in structural engineering, project management, and operational management. As a senior structural engineer, Shad has been responsible for overseeing the structural design of a wide variety of projects using various construction techniques, including structural steel, cast-in-place concrete, precast and pre-stressed concrete, composites, masonry, and wood. Clients include aviation, Department of Defense, higher education, state agencies, county governments, industrial facilities, and religious facilities. Shad designs structures that are safe, economical, and easy to construct. His experience with various construction techniques, building materials, codes, and software enables him to provide efficient and responsive services.



**Shad
Shafie, PE**

RELEVANT EXPERIENCE

Administration and Communication Building, West Palm Beach, FL, Palm Beach International Airport. Structural Engineer. The project consisted of a \$7.5M facility with a 30,000-square foot floor plan.

New Airport Terminal, Winter Haven, FL, Winter Haven Municipal Airport. Structural Engineer. New 13,000-square foot terminal for GIF. The project cost for the building and the site was \$2.5M.

Relocate/Expand Security Checkpoint, Sarasota, FL, Sarasota-Bradenton International Airport. Structural Engineer. One-story elevated facility that was designed to match the existing construction of the terminal.

Fitness Center at Tyndall Air Force Base, Panama City, FL, U.S. Army Corps of Engineers Mobile District. Structural Engineer for the two-story, 72,750 sq. ft. fitness center for the U.S. Army Corps of Engineers (USACE), Mobile District.

Aerospace Ground Equipment Facility, Tampa, FL, MacDill Air Force Base. Structural engineer for this one-story, 18,000-square foot renovation of the existing 1940s and 1970s portions of the building.

The Wizarding World of Harry Potter at Universal's Islands of Adventure, Orlando, FL, Universal City Development Partners. Structural Engineer. The Wizarding World of Harry Potter is a 20-acre land and E-ticket attraction in The Lost Continent area.

Grand Floridian Annex, Whiting Turner, Lake Buena Vista, FL. Project Manager and Structural Engineer. The structure consists of a six-story concrete moment frame with a post-tensioned concrete slab system.

Tampa Bay SunGuide Center, FDOT District 7, Tampa, FL. Structural Engineer. Two-story, 21,000-square foot facility.

Port Manatee Access Control/Security Center, Manatee County, FL. Structural Engineer. One-story, 11,214-square foot facility for the Manatee County Port Authority.

Solid Waste Transfer Station Design-Build Engineering Design Services, City of Key West, FL. Structural Engineer. This design-build project involves a Class I solid waste transfer station including a 14,000-square foot transfer/tipping building, a 1,600-square foot cardboard recycling building, a 2,480-square foot, two-story office and maintenance shop, and a 100-square foot scale house.

Lena Road Landfill Facilities Administration Building, Community Drop-Off Building, Operations Building, and Maintenance Building, Manatee County, Bradenton, FL. Structural Engineer. This project involved the design of the four buildings listed above. The total project cost is \$5.7M, totaling 36,550 square feet.

Southwest Regional Water Treatment Plant Maintenance Building, Manatee County, Bradenton, FL. Structural Engineer. One-story, 10,226-square foot building that had a project cost of \$1.5M.

South Beach Park Renovation, City of Boca Raton, FL. Structural Engineer. Two-story restroom/storage facility, pavilion, and shade structures.

REGISTRATIONS:

Professional Engineer: Florida #55764, 2000

Professional Engineer: Kansas #15625, 1999

Professional Engineer: Maryland #50042

Professional Engineer: Michigan #52375, 2005

Professional Engineer: Pennsylvania #72164, 2005

Professional Engineer: Texas #86812, 2000

EDUCATION:

Bachelor of Science, Architectural Engineering - University of Texas at Austin, 1994

YEARS OF EXPERIENCE

TOTAL: 26

WITH WGI: <1



CLIENT RELATIONS MANAGER

Traci has more than three decades of owner's representative, project management, and design experience. As senior engineering manager, she provides complete project services overseeing all aspects of the engineering design, permitting, and construction for projects for both commercial and residential developments. Her responsibilities include engineering design and complete project management for land development projects with emphasis on site development, water distribution, sanitary sewer, drainage, and roadway design. In addition to cost estimating, quantity take-offs and bid evaluations, she has extensive experience with project scheduling and coordination for design and construction. She regularly coordinates efforts for utility service/relocation with FPL, Bellsouth/AT&T, cable, gas, etc., as well as various disciplines such as planning, surveying, architectural, landscaping and construction. Her work has included all aspects of project management, design, permitting, and construction coordination for projects extending from Palm Beach County to the Florida Keys.



**Traci
Scheppske, CGC**

RELEVANT EXPERIENCE

Pompano Pier Parking Garage, Broward County, FL, City of Pompano Beach, Client Manager. Traci was the client manager providing oversight for the planning, civil engineering, and landscape architecture services for the \$24M, 650 space iconic parking garage. The garage included and landscaped rooftop deck and first floor commercial and retail space. The project also included the design and permitting of Pier Street and Seabreeze Way, including utility infrastructure design of water, sanitary sewer, stormwater management, and utility coordination to support the parking garage and out parcels for future hotel, and restaurants.

Martin Luther King Jr. Boulevard/Hammondville Road Trafficways Plan Amendment, Broward County, FL, City of Pompano Beach, Contract Manager. Traci served as the liaison between the County and the City to prepare and process the first trafficways plan amendment to "context sensitive corridor" in Broward County. This amendment allowed the City to have flexibility in the design layout, road cross section, and speeds to provide a better urban plan that met the needs of the community. Traci prepared all of the required documents and processed the application through the CRA Board, Pompano Beach City Commission, and Broward County Planning Council.

Pompano Beach East CRA District Projects, Broward County, FL, City of Pompano Beach, Contract Manager. Traci served as the contract manager for the multiple project in the East CRA district. The services included planning, civil engineering, surveying, SUE, and landscape architecture services for the CRA, which had ambitious plans for the redevelopment of the area south of the pier from Atlantic Boulevard to NE 5th Street to create a unique beachfront venue.

These projects included the Pompano Beach Boulevard Streetscape Improvements including the Beach Plaza, Pompano Beach Park dune restoration, and the completion of the new pier-parking garage, an iconic structure designed to herald in a wave of redevelopment and enhanced access to the beach area. The purpose of these projects was to revitalize and create an oceanfront pedestrian promenade, both vibrant and uniquely branded for local residents and visitors of Pompano Beach.

"Old" (Historic) Pompano Streetscape Improvements, Downtown Pompano Connectivity Plan, Broward County, FL, City of Pompano Beach, Contract Manager. Traci was responsible for the overall team management, including engineering, permitting, planning, surveying, public outreach/consensus, and construction management for an area wide project involving 10 square blocks of the "Old" (Historic) Pompano Area and Martin Luther King Jr. Boulevard between I-95 and Dixie Highway. The project included an assessment of the existing infrastructure and provided recommendations on suitability of the CRA's proposed land use. Based on the approved connectivity plan by the Pompano Beach CRA, the improvements signalization improvements, and significant drainage, and roadway improvements.

REGISTRATIONS:

Certified General Contractor:
Florida #1516581

EDUCATION:

Associate of Science,
Architecture and Engineering
Design - Catonsville Community
College, 1988

CERTIFICATIONS:

LEED AP BD+C
CM-BIM

AFFILIATIONS:

BIM Smart Foundation Member
Society for Marketing
Professional Services

YEARS OF EXPERIENCE

TOTAL: 32

WITH WGI: 2



PROJECT MANAGER ■ VERTICAL INFRASTRUCTURE

Chris is a project manager and senior project engineer at WGI. He is experienced in structural engineering, including performing design, condition assessments, and observing construction of buildings, bridges, piers, retaining walls, seawalls, and pump stations. Chris also performs plan reviews for hurricane resiliency and vulnerability.

RELEVANT EXPERIENCE

Pompano Beach Fishing Pier Replacement Project - CEI Services, Broward County, FL, City of Pompano Beach, Project Manager. Chris provided structural engineering, special resident inspections, and construction phase services to the City of Pompano Beach for design of an 864-foot-long replacement-fishing pier. Design of the pier walkway forms a circle around a bait shop and continues east. The walking surface is approximately 20-feet wide up to the mean high water mark. Beyond the mean high water line, the deck widens to 30 feet to the east end of the pier. In lieu of the previous octagonal shaped end, the structure was designed to represent the head of a pompano fish, similar to the City's logo. The walking surface deck was constructed utilizing concrete beams and wood decking. Amenities on the pier include four shade structures, electrical outlets for maintenance staff, fresh water hose bibs, a dry fire line for fire safety, and three fish gutting stations. Design also included lighting on the pier, which meets requirements for sea turtle-friendly lighting, along with environmental education signs.

Coral Springs Drive Bridge Assessment, Broward County, FL, City of Coral Springs, Project Manager. Chris conducted a site visit and provided an engineering assessment including a statement regarding the stability of the bridges, due to impact as a result of lowering the canal bottom. Chris performed analysis of the Coral Springs Drive bridges 864005 and 864006.

Coral Springs Improvement District Hurricane Hardening Condition Assessment Pump Station 1 and 2, Broward County, FL, City of Coral Springs, Project Manager. Chris performed a hurricane hardening condition assessment of two storm water pump stations with a physical walk-through at pump stations 1 and 2. The assessment targeted building components which may be of concern during hurricane force wind events. These vulnerable components were identified, prioritized, and listed in a tabular form for each building with a recommendation. Engineering was performed to detail the recommended hurricane hardening and hardening repair plans were generated.

Lake Worth Water Treatment Plant Safety Upgrades, Palm Beach County, FL, City of Lake Worth Beach, Project Manager. Chris conducted site visits to verify the existing conditions and document areas of concern related to safety and hurricane hardening. Hazards ranged from inadequate hand/guard railing to trip hazards, replacement or removal of non-compliant stairs, and installation of fall protection. A map of the water treatment plant facility was developed by use of existing CAD files, as-built drawings in Adobe PDF images, or a combination of both to depict the locations of each identified hazard and the mitigation of the hazard. In addition to the safety upgrades, Chris detailed the enclosure of an open walkway between the R/O and Lime Buildings and provided details for impact resistant walls for the generator louvers at the R/O and Lime Buildings. The walkway enclosure consisted of electrically operated coiling rollup overhead doors between existing columns. The protective walls for the generators are a combination of free standing masonry walls and aluminum frame and plating.

Coontie Hatchee Park Kayak Launch, Broward County, FL, City of Fort Lauderdale. Structural Engineer. The City of Fort Lauderdale renovated the Coontie Hatchee Landing Park to create a canoe/kayak launch and beach area. The project entailed removing sections of the existing seawall adjacent to the South Fork New River, creation of a mangrove island in the location of the existing seawall, and creation of a beach launching and landing area for canoes and kayaks. Chris's roles included the review of geotechnical investigation, site evaluation, design services, construction document preparation, and coordination of permitting.



Christopher LaForte, PE

REGISTRATIONS:

Professional Engineer:
Florida #76797, 2013

Professional Engineer:
Michigan #60389, 2013

Professional Engineer: South
Carolina #35798, 2018

EDUCATION:

Master of Science, Civil
Engineering - Structural -
Michigan Technological
University, 2006

Bachelor of Science, Civil
Engineering - Structural -
Michigan Technological
University, 2005

AFFILIATIONS:

Florida Engineering Society

YEARS OF EXPERIENCE

TOTAL: 13

WITH WGI: 13



PROJECT MANAGER • HORIZONTAL INFRASTRUCTURE

Tim has extensive experience in the structural engineering field. His activities include structural design of buildings, retaining walls, piers, and seawalls. Tim performs plan reviews, building assessments for hurricane resiliency and vulnerability (ARC 4496), and field inspections of various structures.

RELEVANT EXPERIENCE

Marine Way Seawall and Dock Repair Phase II, Palm Beach County, FL, City of Delray Beach. Tim was the project manager for the seawall, dock, and pump station design. This sustainability project for the City of Delray Beach, Marine Way Seawall and Dock Replacement is the final piece of the Veteran's Park to City Marina seawall and dock improvements and the third for WGI. This project started in 2008 when the City originally contracted WGI to perform due diligence services for the Marine Way corridor. The project limits extend from Veteran's Park south to the northern side of the City Marina project currently under construction, and from the Intracoastal Waterway west to the FEC railroad tracks. The project will be designed to adapt to climate change and rising sea levels, while also providing a stormwater pump station which will serve the drainage basin as well. There will also be approximately 600 linear feet of new seawall and at least one and a half times that for docks. WGI provided utility and drainage infrastructure improvements, as well as roadway improvements and a promenade for connectivity from the northern to southern limits. WGI was the lead engineer for design and permitting and provided post design services. WGI also provided extensive public outreach to notify, coordinate, and listen to the stakeholders within the project limits. Outreach activities included personal interviews with stakeholders, public meetings, City Commission meetings, and updating the project website.

Matheson Hammock Park - Atoll Pool Renovation, Miami-Dade County, FL, Miami-Dade County. Tim is the phase manager for structures. Miami-Dade County Parks, Recreation and Open Spaces selected WGI as lead engineer for the restoration of the Matheson Hammock State Park from the aftermath of hurricanes Irma in 2017 and Michael in 2018. WGI services include civil design for the restoration of the pathway and roadway, structural design of the rock breaker wall and culvert replacement, geospatial investigation of existing conditions, MEP design of the atoll pool's aeration pump, and environmental permitting.

Lake Worth Drainage District Control Structure No. 20, Palm Beach County, FL, Lake Worth Drainage District, Project Manager. Tim provided structural design of the proposed rehabilitation. He designed and detailed new cast-in-place reinforced concrete walls to protect the exposed steel sheeting from further deterioration and strengthen the walls. Tim assisted in the replacement of the slide gates (review of connections), operators and actuators. WGI performed a structural evaluation of Lake Worth Drainage District Control Structure No. 20, including surveying the current condition of E-1W-S Canal and the two structures on E-1W-S Canal, as well as an evaluation of the structural condition of Control Structure No. 20 and E-1W-s Outfall. The evaluation identified delamination and loss of material along the waterline of the steel sheeting. The District has decided to proceed with a rehabilitation project on Control Structure 20. WGI provided survey and structural engineering services for the control structure rehabilitation.

West Lake Drive Bridge Assessment, Broward County, FL, City of Fort Lauderdale, Project Manager. West Lake Drive over Estelle River is a City-owned bridge (Bridge No. 865771) originally constructed in 1956, carrying two lanes of traffic in a residential neighborhood. In December of 2016, the Florida Department of Transportation issued a deficiency letter to the City, noting the bridge had critical deficiencies that required prompt corrective action for both the superstructure and substructure. These deficiencies required the bridge to be posted for a blanket weight restriction of 10 tons. WGI provided the City with a bridge assessment and recommendation report, including a field investigation and visual assessment of the bridge top of deck, superstructure, substructure, exposed piling, and adjacent seawalls; as well as structural deficiencies found in each structural element and functional deficiencies causing safety concerns. In addition, WGI provided a bridge repair approach with associated approximate preliminary construction cost estimates and engineering fees, a bridge replacement with associated approximate preliminary construction cost estimates and engineering fees, and a recommendation of repair versus replacement considering construction costs and site specific conditions.



**Timothy
DeLand, PE**

REGISTRATIONS:

Professional Engineer: Florida
#71588, 2010

EDUCATION:

Bachelor of Science, Civil
Engineering - Michigan
Technological University, 2005

YEARS OF EXPERIENCE

TOTAL: 15
WITH WGI: 15



STRUCTURES QA/QC

Michael is a professional engineer and certified contractor with extensive experience in structural engineering and construction. With specific expertise in bridge design, inspection, rating, and rehabilitation, Michael has provided multiple transportation agencies with services ranging from Bridge Development Reports through post design services including plans preparation, detailed erection plans, and shop drawing reviews. Michael has led or been the engineer of record for projects involving highway and bridge structures, including structural design for new and widened curved steel plate girder and steel box girder bridges, cantilevered and anchored retaining walls, sound barrier walls, MSE walls, overhead sign and toll gantry structures, culverts, and mast arms. Michael is proficient in a variety of software, including MDX, Midas, SAP, STAAD, Shoring Suite, Microstation, RC-Pier, and CONSPAN, among others.



**Michael
LeComte, PE**

RELEVANT EXPERIENCE

SR 5/US 1 from SR A1A/Ocean Boulevard Beach Road Bridge, Palm Beach County, FL, FDOT District 4, Structures Engineer. Michael was responsible for temporary mechanical stabilized endwalls (MSE) during phased construction activities. The project involved the replacement of the four-lane SR 5/US 1 Bridge over the Loxahatchee River and Intracoastal Waterway along with one mile of roadway approach reconstruction in Palm Beach County. The project consisted of replacing the existing four-lane bridge with a wider four-lane bridge constructed along the same alignment as the existing bridge. The new bridge accommodated seven-foot bicycle lanes and eight-foot sidewalks on both sides of the road. Traffic railings separated pedestrian facilities from travel lanes. The bridge was constructed with a phased construction approach to maintain traffic along SR 5/US 1. This approach allowed traffic to be maintained on one half of the bridge throughout the duration of construction. The Jupiter SR 5/US 1 Bridge is a mid-level bascule bridge to replace the existing low-level bascule bridge. The project improved both vehicular and waterway traffic flows. The estimated cost of the improvements, including roadway construction, was approximately \$94M. In addition to the mainline bridge replacement project, the FDOT requested our team to focus on conceptual alternatives at the intersection of SR 706 (Indiantown Road) and SR 811 (Alt. A1A). These intersections are critical to a detour route to be utilized during the full bridge closure to help increase LOS, enhance safety during construction, and help facilitate pedestrian accommodations. During the development of various conceptual alternatives for this intersection the scope changed from permanent alternatives to temporary alignment solutions. Finally, the FDOT requested we also evaluate the intersections of SR 5 (US 1) at SR 706 (Indiantown Road), and SR 5 (US 1) at Beach Road, to provide similar conceptual alternatives.

NW 47th Avenue over Snake Creek Canal C-9, Miami-Dade County, FDOT District 6, In-House FDOT Consultant. As an in-house consultant to FDOT, Michael developed a Bridge Development Report (BDR), calculations and plans. The BDR included extensive evaluation for the longest Geosynthetic Reinforced Soil Integrated Bridge System (GRS-IBS) in Florida to date. Final Plans proposed a 148-foot single span bridge utilizing 13 prestressed FIB 54 beams with pile end bents.

I-595 Express, Broward County, FDOT District 4, Engineer-of-Record. Michael served on this \$1.8 billion public private partnership project for the reconstruction of the I-595 roadway and all associated improvements to adjacent cross-roads, frontage roads and ramps from the I-75/Sawgrass Expressway interchange to the I-595/I-95 interchange, for a total project length of 10.5 miles, including the design of 60 roadway bridges and four pedestrian bridges. Bridge structures included steel box and I-girder structures that required steel straddle piers, new concrete bridges with both AASHTO and the new Florida I-Beam structures, as well as bridge widening with the same type of girders. Michael was the EOR for design and post-design of all miscellaneous structures including sound barrier walls (12 walls – 10,000 LF), MSE walls (150 walls – 65,000 LF), anchored bulkhead and permanent sheet pile walls (25 walls – 20,000 LF), cast-in-place retaining walls (30 walls – 25,000 LF), cantilever and anchored temporary sheet pile walls (36), special drainage structures and culverts (20), standard (single pole upright) (85), non-standard overhead sign/DMS structures (58), signal mast arms and strain pole systems (37), and high mast lights. This effort required coordination of a large design team with several consultants as well as other disciplines and agencies involved in the project.

REGISTRATIONS:

Professional Engineer: Florida
#57156, 2001
Professional Engineer: Georgia
#045055, 2019
Professional Engineer: Texas
#135756, 2019

EDUCATION:

Bachelor of Science,
Architecture and Structural
Engineering - University of
Illinois, 1993

AFFILIATIONS:

American Institute of Steel
Construction

YEARS OF EXPERIENCE

TOTAL: 26
WITH WGI: 4



DEPUTY PROJECT MANAGER

Coriann has worked in the area of structural engineering and management since 2001. She has served as engineer of record, responsible in charge, project manager, and lead engineer for various types of projects including urban and rural bridges, limited access bridges, and miscellaneous structures such as marine walls and rehabilitation projects for state/local governmental entities and private clients. Her experience encompasses complete project plans and specifications preparation, RFP development, repair and rehabilitation recommendations, design-build projects, and plans reviews. Primary types of structural design/rehabilitation projects she has completed include AASHTO and FIB girder bridges, steel truss bridges, bridge widenings, noisewalls, retaining walls, box culverts, foundations, and various pedestrian facilities such as pedestrian bridges, elevated platforms, boardwalks, and other miscellaneous concrete and steel structures.



Coriann Salas, PE

RELEVANT EXPERIENCE

Ft. Lauderdale Structural Engineering Continuing Contract, Broward County, FL, City of Fort Lauderdale, Project Manager. Coriann managed the city's multiple task work orders for bridge assessments, rehabilitations, and replacements. The scope of this continuing contract is to provide the City structural engineering services for seawalls, bulkheads, bridges, boat ramps, buildings, water and wastewater plant structures and other miscellaneous structures. The tasks include structural inspection, condition assessment, evaluation of structural integrity, developing master plans, designing new structures, with complete replacement phasing and designing rehabilitation and strengthening of existing structures using conventional and advancement materials, such as composites and fiber reinforced polymers.

NE 1st St Bridge over Stranahan Lake Load Rating, Broward County, FL, City of Fort Lauderdale, Project Manager. A load rating was performed to verify the capacity of Bridge No. 865727, NE 1st Street over Stranahan Lake, in Broward County, Florida. The bridge consisted of an open steel grid deck supported by eight steel rolled-section beams. The bridge is two spans with equal lengths of 21 feet and a width of 30 feet. The exterior girders are simply supported, while the rest of the beams are continuous. The bridge is approximately 80 years old and since existing plans were not available, a site visit was performed to conduct field measurements and observe present bridge conditions and identify deterioration or damage that needed to be accounted for in the rating. The bridge was load rated in accordance with FDOT's *2019 Bridge Load Rating Manual* and *AASHTO Manual for Bridge Evaluation (MBE), 3rd edition*. Software was used to perform analysis of the varying support conditions and deterioration in the members, and a post-processing spreadsheet was used to determine bridge load rating factors.

Off-System Bridge Replacements throughout Palm Beach County, Palm Beach County, FL, FDOT District 4, Project Manager. Coriann also served as structural engineer of record for the Seminole Drive over L-16 and El Clair Ranch Road over L-30 Canal. This project includes roadway, structural, drainage engineering, utility coordination, surveying, and environmental permitting for four bridge replacements in Palm Beach County including Seminole Drive over L-16, and El Clair Ranch Road over L-30 Canal. All are off-system bridges over Lake Worth Drainage District canals. El Clair Ranch Road bridge will be raised to FDOT navigable standards. Additionally, this project is intended to be a pilot project for the use of auger cast piles.

C-21 Bridge Canal Crossing, Hendry County, FL, City of Clewiston. The City of Clewiston requested preliminary planning, site selection and final design of a new bridge crossing the C-21 Canal. Planning and site selection addressed any land issues including zoning, ownership, public interest, environmental assessment, and compliance with Hendry County Comprehensive Plan and Plans for the city of Clewiston as well as permitting with local, state and federal agencies. WGI provided structural engineering services for the approximately 105-foot clear span bridge. The proposed bridge accommodates two 12-foot travel lanes, a single 6-foot minimum sidewalk and the bridge barrier walls. The new structure was designed to meet current FDOT/AASHTO HL 93-load requirements for traffic safety and Florida legal loads.

REGISTRATIONS:

Professional Engineer: Florida
#64779, 2006

Professional Engineer: Texas
#136784, 2020

EDUCATION:

Bachelor of Science, Civil
Engineering - University of
Central Florida, 2001

AFFILIATIONS:

ACEC-FL Structural
Engineering Committee,
Committee Chair, 2017-Present

Florida Engineering Society,
FES # 9008083

WTS

YEARS OF EXPERIENCE

TOTAL: 19

WITH WGI: 5



RESTORATION

Andrew utilizes years of parking-related experience to drive financial and project success across various segments of engineering consulting and project management, and his ability to utilize a diverse set of business principles improves project efficiencies and outcomes. He understands the need to develop and implement solutions that are in line with his clients' needs, goals, and objectives. Andrew's success in leading a team of restoration engineering professionals in the southeastern region of the U.S. is facilitated by utilization of his professional skills. He is experienced in the structural evaluation and analysis of existing parking structures, Life Cycle Analysis, design of various repair options, estimating repair costs, preparation of report/construction documents, and construction administration.

RELEVANT EXPERIENCE

Love Park Parking Garage, Philadelphia, PA, Interpark LLC. The \$7.5M project included localized partial depth repairs and full-depth replacement of the concrete decks, reconstruction of the entrance ramps, construction of new elevators and stairs, and waterproofing of the roof during renovation of the park and plaza above the structure.

Bank of America Center and Shockoe Parking Structure, Richmond, VA, Jones Lang Lasalle (JLL), Project Manager. Andrew was responsible for overseeing the design and project management activities. This parking structure rehabilitation project had to be completed over an eight-month period while the deck was approximately 70% utilized. The scope included mainly concrete slab repairs and joint sealant installation. The project required a unique set of phasing based on the narrow nature of the garage ramps and parking bays.

3532 North Sheffield Avenue FRP Reinforcement Design Strengthening, Chicago, IL, Sitar Construction, LLC, Project Manager. Andrew oversaw all aspects of the project. WGI provided analysis and design of carbon fiber reinforcement.

Durham VAMC Garage A Repairs, Durham, NC, Apogee Consulting Group, Project Manager. Andrew oversaw design and construction administration activities. The project entails repair and replacement of damaged structural slab post-tension reinforcing and the implementation of a micro-silica overlay. The installation of various waterproofing elements (deck coating, sealants, expansion joints seals) and isolated concrete spall repairs were also included in the project.

PTI Airport Elevated Roadway Repairs, Greensboro, NC, Project Manager. Andrew was responsible for overseeing the design and project management processes. The project included 8 phases of repair to ensure pedestrian and vehicular access to the departure level of the airport was maintained. The project scope included partial depth slab repairs, supplemental floor drains, expansion joint systems, and the application of an extra heavy traffic-bearing membrane system.

Two Wells Fargo Parking Deck Repairs, Mecklenburg County, NC, Project Manager. The project required a unique set of programming approaches to keep the structure serviceable during construction. Andrew was response for the overall programming from the engineering side of the project. The project included, but was not limited to, full and partial depth slab repairs, silane sealer application, traffic bearing membrane recoat, beam and wall repairs, and floor drain body replacement.

Durham VA Medical Center Garage A Repairs, Durham, NC, Project Manager. The project entails repair and replacement of damaged structural slab post-tension reinforcing and the implementation of a micro-silica overlay. The installation of various waterproofing elements (deck coating, sealants, expansion joints seals) and isolated concrete spall repairs were also included in the project. Andrew oversaw design and construction administration activities.

CPCC Student Parking Deck - Engineering Review, Charlotte, NC, Central Piedmont Community College, Project Manager. Andrew was responsible for overseeing the design and project management activities. This parking structure rehabilitation project had to be completed in 3 months while the college was on summer break. The scope included concrete slab repairs, expansion joint repairs, vehicular and pedestrian guard installation, supplemental floor drains, and joint sealant installation. The project was completed on time and within the budget allocated by the college.



**Andrew
Kong**

EDUCATION:

Master of Business Administration, Business Administration - Duke University, 2012

Master of Science, Civil Engineering - Structures - Queens University, 2005

AFFILIATIONS:

American Society of Civil Engineers

Carolinas Parking Association, International Concrete Repair Institute

YEARS OF EXPERIENCE

TOTAL: 15

WITH WGI: 15



PROJECT MANAGER ▪ PARKING

Rob is a managing principal, responsible for new parking structure design, parking consulting, and structural engineering. His parking design and consulting encompasses work with airport, governmental, military, transit, higher education, resort, healthcare, and corporate clients. Rob led the design for the shuttle bus parking lots throughout metro Atlanta for the Centennial Olympic Games, and he managed the design of the Detroit Tigers Comerica Park parking structure. He completed the preliminary design of Atlanta airport's new parking structures, which accommodate more than 30,000 cars; the largest garages in the United States. He is well versed in precast concrete, cast-in-place, and steel construction. Rob's experience also includes restoration, parking study, and programming projects. Several of his projects received LEED Certification, including Colorado State University's Lake Street parking facility, which received LEED Gold. As garage design, construction, and operating practices have evolved to GBCI's Parksmart certification standard, Rob has remained a leader of practical sustainable design for all parking projects.



**Robert
McConnell, PE**

RELEVANT EXPERIENCE

City of Lake Worth Downtown Parking Study, Lake Worth, FL, City of Lake Worth Beach, Project Manager WGI prepared the Downtown Lake Worth parking study to identify current parking demand and forecast future occupancy. Using GIS software, all of the parking provided in the downtown core was digitized and categorized by time limit, cost to park, use limitation, and location. This data was used to map the spatial distribution of parking spaces in downtown, as well as provide a basis for analysis of occupancy throughout different times of the day and week. The final GIS deliverable included an inventory of parking in Downtown, as well as an occupancy and demand analysis of current and future parking needs in the City of Lake Worth.

Ocean Reef Club - Associates Village Parking Structure, Key Largo, FL, Ocean Reef Club, Inc., Project Manager. Working with Ocean Reef Club, WGI designed a parking structure within the club's staff housing area. The new parking structure will provide additional parking for club staff and members. WGI's scope of work included planning, civil engineering, environmental, landscape architectural, and parking solutions services.

City of Alpharetta, Alpharetta, GA, City of Alpharetta, Project Manager. Rob served at the principal designer, team lead, and structural engineer of record for the design team. He prepared a plan drawing for condominiumizing the retail space at the 92 Milton Avenue parking deck. WGI led the design effort for the Milton Avenue parking structure in Alpharetta, Georgia. The project consists of a four-level, 263-space structure for public parking and various improvements to the site and surrounding community, including on-street parking, stormwater management and landscaping/streetscaping. The garage is constructed entirely of precast concrete with integrally colored concrete and face brick in several patterns in the façade panels. This was a design-build project and WGI was the prime consultant.

Columbia County Garage Design-Build, Evans, GA, Columbia County, Principal. Rob served as the principal and lead structural engineer. WGI provided parking design, structural engineering, architecture, civil engineering, landscape design, and surveying services for a new parking garage for Columbia County in Evans, Georgia. The new parking structure accommodates approximately 280-parking spaces and incorporates two stair/elevator cores.

The Foundry at Loveland, Loveland, CO, City of Loveland, Project Manager. WGI provided parking consulting and design services to the City of Loveland with the purpose of highlighting the art, sculpture, and history of the city. When designing the new public parking garage, WGI kept the tradition of the historic downtown in mind, adorning the six-level, 461-space garage with art pieces on two sides of the structure. In addition to the design, WGI provided the parking layout, signage, parking equipment, and waterproofing and durability design of the garage at the Loveland Foundry.

REGISTRATIONS:

Professional Engineer: South Carolina #30227, 2012

Professional Engineer: Florida #75205, 2012

Professional Engineer: North Carolina #40159, 2013

EDUCATION:

Master of Science, Civil Engineering (Structures) - Georgia Institute of Technology, 1994

Bachelor of Civil Engineering - Georgia Institute of Technology, 1992

CERTIFICATIONS:

LEED Green Associate

Parksmart Advisor

AFFILIATIONS:

American Society of Civil Engineers, M.ASCE

Carolinas Parking Association

Florida Parking and Transportation Association

International Parking and Mobility Institute

Parking Association of Georgia

Structural Engineering Institute, Charter Member

YEARS OF EXPERIENCE

TOTAL: 28

WITH WGI: 26



SENIOR STRUCTURAL ENGINEER

As a structural engineer/special inspector, Ken has over 15 years of experience in structural analysis, design, inspection, and construction administration for new buildings and renovation projects. His portfolio includes residential buildings, hotels, sports facilities, schools, and office buildings. He is responsible for structural analysis and design, oversight of engineering, coordination with architects and design team members, production of structural drawings, and construction administration. His focus is always on developing constructable structural engineering solutions that can be built quickly and with the highest quality possible.



**Suhendi "Ken"
Widjaja, PE / SI**

RELEVANT EXPERIENCE

Palm Beach Sheriff's Office Headquarters Remodeling, Palm Beach County, FL, Palm Beach County Facilities. PBSO Building A is located on Gun Club Road in Palm Beach County and it houses the 911 Emergency Call Facility among other critical services. As part of an overall building space planning and renovation, Palm Beach County would like to expand the call center in areas adjacent to the existing 911 hurricane hardened area. WGI conducted a structural assessment of the existing facility to assess the perimeter envelope, allowable floor and roof loads, and provided construction documents for the building upgrade. In addition WGI developed exterior envelope options to obtain preliminary costs from the construction manager and a concept design report was prepared.

Coral Springs Municipal Complex, Coral Springs, FL, Structural Engineer. Structural design for a new \$28M, five-story, 70,000 square-foot municipal complex and a four-story, 600-space, \$8.1M garage. The facility will house government offices, the Coral Springs Chamber of Commerce, offices for federal state and city elected officials, and the commission chambers. The new municipal complex is part of a larger effort to redevelopment the downtown section of Coral Springs.

Central Service Center, Palm Beach County Office of the Tax Collector, Lake Worth, FL, Structural Engineer. Structural design and construction administration for a new 36,000 square-foot, \$10.4M Central Service Center for Palm Beach County. The building features a vaulted atrium with a curved glass wall system design. The facility houses a call center, county administrative offices, public service areas, and a driving course.

Aventura Government Center Parking Garage, Aventura, FL, Structural Engineer. A \$3.9M, three-level, 208-space garage on a tight site of an existing surface parking lot. The design included elements that complement aesthetics of the adjacent Government Center, such as a glass curtainwall system enclosing the stairwells and elevator. The parking garage façade had to be aesthetically consistent with the neighboring, high-profile Government Center.

Oceanside Plaza, Pompano Beach, FL, Structural Engineer, Special Inspector Representative. Threshold inspection services, site representation and structural construction administration services for an 18-story mixed-use development consisting of post-tensioned reinforced concrete flat plates supported on concrete columns and shear walls. The 500,000-square foot project includes 190 residential units, ground-level retail and a three-level parking structure to accommodate 500 cars and a landscaped pool deck above.

Hard Rock Stadium Master Plan and Redevelopment, Miami, FL, Structural Engineer. Structural design for a \$500M redevelopment of the 72,000-seat stadium including a 600-foot cable-stayed long-span roof, partial demolition of upper deck seating, complete structural replacement of the lower seating bowl, and expansion and re-purposing of several hundred thousand square feet of concourse space. Project also included replacement of various portions of the façade to meet State of Florida high wind and impact resistance requirements.

New Marlins Ballpark, Miami, FL, Special Inspection Representative. Threshold inspection services for a 37,000-seat ballpark with a retractable structural steel roof. The project included complex raker beam design, a ramp of two-way cantilevering cast-in-place concrete slabs serving all main floors of building, scoreboard framing, and connection design. Framing for a 500-foot long east canopy roof is supported on 100-foot tall steel columns. The \$515M project was completed in 2012

REGISTRATIONS:

Professional Engineer/Special Inspector: Florida #PE74108, 2012

EDUCATION:

Master of Science, Civil Engineering - Southern Illinois University, 2005

Bachelor of Science, Civil Engineering - Southern Illinois University at Carbondale, 2001

YEARS OF EXPERIENCE

TOTAL: 15

WITH WGI: >1



ENGINEER INTERN

TJ is structural engineer who is well versed in load analysis and design. He has design experience with steel, concrete, wood, and aluminum and has performed threshold inspections on a variety of projects including schools and health care facilities. He has worked closely with design professionals, general contractors, and aluminum manufacturers which has given him the knowledge to perform optimal, cost saving design and retrofit solutions. Serving as an engineer intern, TJ has designed projects including parking structures, office buildings, high end residences, docks, aluminum canopies/handrails/trellises and hurricane hardening of municipal buildings.

RELEVANT EXPERIENCE

Hypoluxo Substation Upgrades, Palm Beach County, FL, City of Lake Worth Beach. WGI was engaged to provide a preliminary engineering study for the addition of protection walls at the existing Hypoluxo Electrical Substation located at Hypoluxo Road and I-95. The city wants to protect the substation equipment by constructing a wall along the north boundary of the substation, as well as improve the delivery and maintenance access into the substation yard.

Drainage Design of Four Flooding Locations, Miami-Dade County, FL, City of Miami. As part of the continuing services contract for Civil Engineering Services for Roadway Projects, the City of Miami under the Miami Forever Bond, addressed severe flooding issues at four locations within the City. The project included four locations: Site 12 - 1603 NW South River Drive, Site 74 - 2928 SW 2 Street, Site 79 - 200 SW 30 Avenue, and Site 9 - 1631 NW 13 Court. WGI was contracted to prepare construction documents and associated drainage calculations by designing a new storm sewer system with the installation of new 24-inch french drain systems, cross pipes, manholes, inlets, curb and gutter, and repairing broken sidewalks, if necessary. This design alleviated street flooding as well as flooding in the public right of way. Services included roadway design, drainage design, signing and pavement markings, permitting, survey, SUE, geotechnical, and post design services.

Five Ash Water Treatment Administration Building, Broward County, FL, City of Fort Lauderdale. At the City of Ft. Lauderdale Five Ash Water Treatment Administration building, the 3rd floor has a glass block wall at the elevator lobby. The wall has been subject to water intrusion and the City desires to replace the wall with a hurricane rated (HVHZ) storefront glass wall. The building was constructed in 1982-83 and the original construction documents for the building have limited information regarding the glass block wall and the adjacent construction. It is WGI's intent to remove and replace the exterior building skin, glass block and interior finishes to the nearest adjacent structural members (concrete floor slab, beams and columns) and replace the exterior glass block wall with a storefront system having a Miami Dade Notice of Acceptance or Florida Building Product Approval.

Bill Keith Preserve Shoreline Restoration, Palm Beach County, FL, City of Fort Lauderdale. The City of Fort Lauderdale engaged WGI to create a shoreline protection zone along the southern extent of the Bill Keith Preserve Park adjacent to the New River. The proposed shore protection is approximately 750 lineal feet and will be periodically separated to allow navigation for canoes, kayaks, paddle boards and other small vessels. The New River is a deep navigable channel with depths to 15 feet. The proposed shoreline protection consists of an alternating, offset, curved rip-rap groin structure in combination with a steel sheet pile toe wall, for stabilization adjacent to the navigation channel. With the addition of the groin structure, WGI recognized that sediment depositions and the groin-shoreline water quality would be affected. As part of the shoreline protection project, sediment transport, incipient wave and channel flushing analysis of the groin impacts was performed. Through the distinct yet simple geometry of the breakwater, WGI was able to significantly mitigate the anticipated shore erosion while maintaining the crucial environmental flushing needed for continued water quality.

PGA Marina Seawall, Palm Beach County, FL, PGA Marina Partners LLC. WGI performed a structural evaluation of the seawall and dock located at PGA Marina. The evaluation consisted of an inspection of approximately 900 feet of seawall. The services included preparation of a report including photo documentation of findings and any recommendations for the repair or replacement that should be considered. In addition, inspection of the tieback anchors was also performed. The assessment report was used to catalog and take field measurements of the visual damaged areas. These areas will be mapped on a substructure and superstructure drawing and referenced back to the photo documentation taken during the assessment report. Construction documents suitable for permitting and construction were developed. Additionally, WGI provided structural design for 8 fixed finger piers at the Marina. Allowance for utility attachments to the piers was made.



**Thomas
Tustin, EI**

REGISTRATIONS:

Engineer Intern: Florida
#1100021064, 2017

EDUCATION:

Bachelor of Science, Civil
Engineering - University of
Central Florida, 2017

YEARS OF EXPERIENCE

TOTAL: 3
WITH WGI: 1



ENGINEER INTERN

Andre is a structural engineer specializing in load analysis and design. He works closely with construction crews, forensic professionals, and design professionals, which translates into optimal new design that accounts for all aspects of a building's life cycle from construction to salvage. He is frequently called upon to provide designs that meet or exceed past or current standards. His well-rounded experience allows him to successfully contribute to building upgrades, retrofit, and new design projects that require the highest degree of attention to detail. Andre's management style involves understanding the confluence of a client's desires, contractor constructability, cost effectiveness, and developing a comprehensive solution which has proven to be key in the success of his projects.



**Andre
Smith, EI**

RELEVANT EXPERIENCE

Pompano Beach Water Treatment Plant Lime Softener & GST Coating 161068-1, Broward County, FL, City of Pompano Beach, Engineering Intern. WGI provided structural engineering services for the Pompano Beach Water Treatment Plant in need of re-coating and rehabilitation. Services consisted of rehabilitation and repair details and specifications for the following structures and room components; Ground Storage Tanks (two at the Water Treatment Plant and one at the Reuse Pump Station site), structural crack repair at both the north and south tanks, structural evaluation, repair recommendations, details and assistance with coating recommendations, construction documents for the concrete and crack repair; north and south Lime Softeners, blast and recoat, crack repair and construction documents; Acid Storage Room, crack repair construction documents and containment curb at the pump skid; Lime Pump Station backwash, provided construction documents to replace all pipe supports with stainless steel; Lime/Polymer Rooms, design and detail and provided construction documents for a continuous drainage trench.

Pompano Beach Fishing Pier Replacement Project - CEI Services, Broward County, FL, City of Pompano Beach., Engineering Intern. WGI was contracted by the City of Pompano Beach to design an 864-foot-long replacement fishing pier. Design of the pier walkway forms a circle around a bait shop and continues east. The walking surface is approximately 20-feet wide up to the mean high water mark. Beyond the mean high water line, the deck widens to 30 feet to the east end of the pier. In lieu of the previous octagonal shaped end, the structure was designed to represent the head of a pompano fish, similar to the City's logo. The walking surface deck was constructed utilizing concrete beams and wood decking. Amenities on the pier include four shade structures, electrical outlets for maintenance staff, fresh water hose bibs, a dry fire line for fire safety, and three fish gutting stations. Design also included lighting on the pier, which meets requirements for sea turtle-friendly lighting, along with environmental education signs.

City of Lake Worth Fleet Maintenance Building, Palm Beach County, FL, City of Lake Worth Beach, Engineering Intern. The City of Lake Worth requested WGI conduct an evaluation of the existing Fleet Maintenance building and prepare an assessment report. The building was constructed in the late 1960s. WGI provided a structural assessment of the building's condition, obtained measurements to support the assessment preparation, and provided conceptual level structural analysis required to verify the building's main force resisting system and the cladding and component capacity of the building structure. An opinion of probable construction cost for the recommended upgrades was developed as part of the assessment.

Town of Jupiter Utility Storage Structures at EOC & Maintenance, Palm Beach County, FL, Town of Jupiter, Engineering Intern. WGI coordinated with the Town of Jupiter to establish a Design/Build Criteria Package (D/B-CP) for three equipment and material storage structures at the Emergency Operations Center and Maintenance Facility. The three structures consist of a 50-foot by 50-foot open covered storage; a 50-foot by 90-foot enclosed storage; and a 30-foot by 100-foot five-bin open material storage area. WGI produced D/B-CP for use by the Town to assist in the selection of a Design-Build firm.

Riverwalk Joint Repairs and Concrete Restoration, Palm Beach County, FL, Town of Jupiter, Engineering Intern. The Town of Jupiter requested routine maintenance repairs on the Riverwalk Lagoon Bridge including repairs to the existing expansion and construction joints, concrete restoration at the deck closures and recoating concrete surfaces.

REGISTRATIONS:

Engineer Intern: Florida
#1100020735, 2017

EDUCATION:

Bachelor of Science in Civil
Engineering, Structural
Engineering - University of
Ottawa, 2016

AFFILIATIONS:

American Society of Civil
Engineers
Florida Structural Engineers
Association

YEARS OF EXPERIENCE

TOTAL: 4
WITH WGI: 3



PROJECT MANAGER ▪ SURVEY ▪ MAPPING AND SUE

Jim has more than 23 years of experience in land surveying and has been a registered surveyor since 2008. He is a senior project manager for all phases of geospatial services offered by WGI. Jim is experienced in managing a full department of staff and projects simultaneously and his responsibilities include project management of abstracting for title, control surveys, construction staking, boundaries, easements (sketch/legal descriptions), hydrographic surveys, laser scanning, plat/plan review, platting, right-of-way acquisitions, topographic surveys, and GIS services. He brings insight to projects by assessing a project site for possible conflicts or potential needs, based on the project's intended use. He works closely with clients to communicate project status to meet budget and schedule, while addressing specific needs as the project progresses.

RELEVANT EXPERIENCE

Florida Keys Wildlife and Environmental Areas Johnson Parking lot Improvements, Monroe Emergency Force Main Rehabilitation, Broward County, FL, City of Fort Lauderdale, Senior Project Manager. Jim was responsible for providing a topographic survey, hydrographic survey, submerged land easement, baseline staking, and as-built surveys over and around Tarpon River to replace or repair a recent force main burst. Four miles of existing force main was included in this rehabilitation. This main line, built prior to 1970, carried one-third of the City's sewage to the treatment plant. This break occurred during the rainy season and caused an overflow into sidelines and public streets. Millions of dollars were spent to vacuum existing structures and pump to functioning lines. Jim managed to mobilize crews within 24 hours of being notified. More than 40 points were established and controlled with redundant GPS measurements and digital levels to ensure the accuracy of the topographic survey.

Mizell Johnson State Park Boardwalk, Broward County, FL, Florida Department of Environmental Protection, Senior Project Manager. Jim conducted a survey of the existing 450-foot boardwalk from the edge of the inlet. Limits of the topo were from fence line extending 30 feet outwardly towards the shore. The survey consisted of general ground elevation shots and breaks in grade with intervals exceeding 50 feet. Florida Department of Environmental Protection (FDEP) has requested WGI provide survey and engineering services for the design and permitting of an approximately 450-foot elevated wooden boardwalk.

Village of Royal Palm Beach Canal Survey, Royal Palm Beach, FL, Village of Royal Palm Beach, Senior Project Manager. Jim worked with Village engineers to develop a plan to survey over 14.5 miles of Village maintained canals to evaluate the need to clean and dredge the system. Jim collected over 128 cross sections as well as 167 pipe outfalls during this survey. The cross sections included locations taken every five feet along the canal bottom and a measurement of the depth of muck was obtained. Final deliverables included a surveyor's report and CADD drafted cross sections for the engineers to design.

Village of Palm Springs Park Connector Pathway Phase 1, Palm Beach County, FL, Village of Palm Springs, Project Manager. Jim provided design survey services, which included establishing the historical right-of-way and a baseline survey. WGI provided landscape architecture, geospatial, and electrical design services for Phase 1 of the Village of Palm Springs Park Connector Pathway project. This phase consists of the southern side of Alameda Drive, from Davis Road to the intersecting sidewalk, approximately 1,400 feet east of Davis Road.

Matheson Hammock Park - Atoll Pool Renovation, Miami-Dade County, FL, Miami-Dade County, Phase Manager. Jim was the phase manager for geospatial. Miami-Dade County Parks, Recreation and Open Spaces has selected WGI as lead engineer for the restoration of the coveted Matheson Hammock State Park from the aftermath of hurricane Irma in 2017 and Michael in 2018. WGI services included civil design for the restoration of the pathway and roadway, Structural design of the rock breaker wall and culvert replacement, geospatial investigation of existing conditions, MEP design of the atoll pool's aeration pump, and environmental services for permitting.



**Jim
Sullivan, PSM**

REGISTRATIONS:

Professional Land Surveyor:
Texas #6036, 2008

Professional Surveyor/Mapper:
Florida #LS6889, 2012

Professional Land Surveyor:
North Carolina #L5064, 2012

Professional Land Surveyor:
Louisiana #5116, 2014

Professional Surveyor/Mapper:
Ohio #PS8655, 2014

EDUCATION:

Bachelor of Science, Surveying
and Mapping - East Tennessee
State University, 2002

AFFILIATIONS:

Florida Atlantic University
Program Advisory Council

Florida Surveying and Mapping
Society

National Society of Professional
Surveyors

Society of American Military
Engineers

YEARS OF EXPERIENCE

TOTAL: 23

WITH WGI: 2



PROJECT MANAGER • CEI

William has vast experience in construction management for major power plant, airport, high-rise buildings, highway, and municipal construction projects. He is accomplished in construction administration, resident engineering/inspection services, and implementation of project procedures and programs for heavy civil, mechanical, and electrical construction projects. William managed all phases of construction for USEcoGen Polk Generating Facility, including site development, permitting, engineering, procurement, and physical construction activities. During development, he teamed with USEG's developers to manage the EPC contracting, O&M contracting efforts, coordination of permits with ACOE, FWC, and local City of Fort Meade City Manager and planning.



**William
Needle, CS**

RELEVANT EXPERIENCE

Resource Biomass LLC, Palm Beach County, FL, Biomass Aggregation Company, Vice President of Construction. William managed all phases of construction for Resource Biomass. His responsibilities included site development, engineering, procurement, and physical construction activities. During project development, workstreams included coordination with Florida EcoPark LLC, engineers, subcontractors, and legal teams for the development and implementation of a farm plan and soil augmentation pursuant with Florida State Law Right to Farm Act. William perform due diligence to permit sites to build 100,000 MT pellet facility pursuant with MOU signed with BioEndev LLC. He coordinated site selection with the Port of Manatee and the Bradenton Area Economic Development Corporation for the storage of 100,000 MT black pellets and the construction of 100,000-300,000 MT pellet facility.

CEI Services for City Marina, Palm Beach County, FL, City of Delray Beach, Project Manager. As the project manager for CEI services, William prepared construction documents for repair and replacement of the concrete seawall and cap for replacement of the finger piers at the City of Delray Beach Marina.

Wastewater Collection System and Water Distribution Improvements, Plymouth County, MA, City Point Partners LLC, Resident Engineer. William represented the Town of Scituate for the construction of gravity wastewater inter. His duties included controlled construction over site, inspection of the work for conformance to the contract documents, quality assurance and safety issues, interceptors, collectors, lateral low pressure wastewater interceptors and water main, and appurtenances.

Washington Dulles International Airport, Washington, D.C., DMJM Aviation, Contracting Officer's Technical Representative. William represented Parson Management Consultants for the redevelopment of the Washington Dulles International Airport. He was assigned to a \$1.1M vehicle wash facility project, a \$2M expansion joint replacement in front of the main terminal, and a \$1M alternate central control facility for the automated people mover (APM). William's responsibilities included administration of the contract between the contracting officer and contractor. His duties included chairing weekly progress meetings, review and preparation of change notices, requisitions, schedule, quality, and safety issues. William oversaw staff of various inspectors and office engineer to ensure their assigned duties were achieved, interfaced with the task manager/AE during the development of the construction documents, implement design changes, and coordinated with the authorities' code department and onsite-testing agency for PMC.

Terminal A Redevelopment Project Logan International Airport, Suffolk County, MA, Delta Airlines, Resident Engineer. William was the resident engineer who represented Delta Airlines for the Terminal A Redevelopment project consisting of a \$33M landside arrival and departure roadway and utilities project that connected to the new Terminal A and existing airport roadways and utilities. William also assigned to \$5M Delta Crown Rooms. These projects are components of Delta Airline's \$395M demolition and reconstruction of Terminal A at Boston Logan International Airport. Specific responsibilities included representing Delta Airlines in weekly progress meetings, quality control, and any other relevant meetings as well as monitoring cost, reviewing C.O. requests, requisitions, schedule, and safety issues. Interfaced with the CM/AE developing and implementing design changes. Coordinated with the CM and onsite-testing agency for Delta.

REGISTRATIONS:

Construction Supervisor
Massachusetts 066577

EDUCATION:

Bachelor of Science
Civil Engineering Technology
Wentworth Institute of
Technology, 1980

CERTIFICATIONS:

OSHA 10-Hour Construction

**YEARS OF EXPERIENCE
TOTAL: 36 WITH WGI: 1**



BUILDING INSPECTOR

Tim is responsible for the plan review and verification of field construction to the contract documents including: pile driving, reinforcing steel, and concrete casting.

RELEVANT EXPERIENCE

Pompano Beach Fishing Pier Replacement Project - CEI Services, Broward County, FL, City of Pompano Beach, Inspector. WGI was contracted by the City of Pompano Beach to design an 864-foot-long replacement fishing pier. Design of the pier walkway forms a circle around a bait shop and continues east. The walking surface is approximately 20-feet wide up to the mean high water mark. Beyond the mean high water line, the deck widens to 30 feet to the east end of the pier. In lieu of the previous octagonal shaped end, the structure was designed to represent the head of a pompano fish, similar to the City's logo. The walking surface deck was constructed utilizing concrete beams and wood decking. Amenities on the pier include four shade structures, electrical outlets for maintenance staff, fresh water hose bibs, a dry fire line for fire safety, and three fish gutting stations. Design also included lighting on the pier, which meets requirements for sea turtle-friendly lighting, along with environmental education signs.

Pompano Beach Water Treatment Plant Lime Softener & GST Coating 161068-1, Broward County, FL, City of Pompano Beach, Inspector. WGI provided structural engineering services for the Pompano Beach Water Treatment Plant in need of re-coating and rehabilitation. Services consisted of rehabilitation and repair details and specifications for the following structures and room components; Ground Storage Tanks (two at the Water Treatment Plant and one at the Reuse Pump Station site), structural crack repair at both the north and south tanks, structural evaluation, repair recommendations, details and assistance with coating recommendations, construction documents for the concrete and crack repair; north and south Lime Softeners, blast and recoat, crack repair and construction documents; Acid Storage Room, crack repair construction documents and containment curb at the pump skid; Lime Pump Station backwash, provided construction documents to replace all pipe supports with stainless steel; Lime/Polymer Rooms, design and detail and provided construction documents for a continuous drainage trench.

Water Treatment Plant Building No. 2 Hurricane Hardening, Palm Beach County, FL, City of Boca Raton, Inspector. Tim provided field inspections and reports for compliance with plans and specifications. In addition, specialty inspections were made which included all structural components of the retrofit for compliance to applicable Florida Building Code requirements including application N.O.A.'s. During the construction phase, WGI provided the Construction Administration of the Project. These services included leading the pre-construction meeting, conducted shop drawing reviews, attended monthly meetings, conducted special inspections that included formwork embedments and reinforcing, concrete casting, placing precast panels and bolted/welded components, anchorage to existing building floor and roof structural members, wall to wall interconnections, metal deck attachment, window replacement, door replacements, louver replacements, window and door testing. Upon construction completion, WGI conducted a substantial and final completion inspection and provided a Certificate of Construction Completion to the owner.

Audubon Causeway Bridge Replacement, Palm Beach County, FL, Inspector. Tim performed site visits and prepared reports. Construction phase services associated with the Audubon Causeway Bridge Replacement which included meeting attendance, shop drawing reviews, site visits and reports, response to contractor requests for information, as-built drawings, and final certification.

900 N. Lake Way Seawall and Dock Assessment, Palm Beach County, FL, Fifth Cupcake LLC, Inspector. Tim was responsible for performing a site inspection of the seawall and dock. As part of due diligence, WGI performed a site inspection of approximately 200 feet of seawall and 130 feet of existing dock and then a 30-foot dock return to the south. Upon completion of the site inspection, a report including photo documentation of the findings and any recommendations for repair or replacement was prepared. In addition, a cost estimate of repair or replacement was provided.



**Timothy
Sherwood, BI**

REGISTRATIONS:

Building Inspector: Florida
#BN4893, 2015

CERTIFICATIONS:

ACI Concrete Field Testing
Technician Grade I
ACI Concrete Transportation
Construction Inspector

Advanced Temporary Traffic
Control

ICC Commercial Building
Inspector

Intermediate Temporary Traffic
Control

AFFILIATIONS:

International Code Council

YEARS OF EXPERIENCE

TOTAL: 27

WITH WGI: 16



CONSTRUCTION ENGINEERING INSPECTOR

Sasha manages WGI's construction phase services for structural projects. Her duties include processing RFI's and shop drawings, and handling schedules and coordination meetings. In addition to managing construction services, Sasha provides inspections for precast, pre-stressed, post-tensioned, and pile driving. She also provides support services to the engineers, including new product evaluations and cost comparisons to determine the most economical systems and products to utilize in our designs.

RELEVANT EXPERIENCE

Dania Beach Pier Evaluation & Condition Assessment, Broward County, FL, City of Dania Beach, Construction Engineering Inspector. Sasha assisted with coordination, field observations, and consulted throughout the development of the report. WGI provided an evaluation and condition assessment of the Dania Beach Pier. The approximately 930-foot pier was constructed in 1994 and consists of a 212-foot long by nine-foot wide ramp section and a main pier section that is 18 feet six inches wide and terminates with a 58-foot wide by 31-foot long Tee head. The pier is constructed primarily of precast concrete and wooden components.. Condition observations were made of the following components of the main pier structure: concrete piling, concrete pile caps, concrete bollards, precast post-tensioned beams, wood blocking, wood decking, wood railing, ramp, and shade structure. WGI provided condition assessments, recommendations, engineer's opinion of probable cost, photos and preliminary sketches based on our observations.

Lake Worth Water Treatment Plant Safety Upgrades, Palm Beach County, FL, City of Lake Worth Beach, Construction Engineering Inspector. In order to address safety hazards identified in the safety audit for this facility, WGI conducted site visits to verify the existing conditions and photo document the areas of concern. The hazards ranged from inadequate hand/guard railing to over pipe trip hazards, replacement or removal of non-compliant stairs and installation of fall protection. A map of the water treatment plant facility was developed by use of existing CAD Files, as-built drawings in Adobe PDF images, or a combination of both to depict the locations of each identified hazard and the mitigation of the hazard. In addition to the safety upgrades, the client desired to enclose an open walkway between the R/O and Lime Buildings and provide protective walls for the generator louvers at the R/O and Lime Buildings. The walkway enclosure consisted of electrically operated coiling rollup overhead doors between the existing columns. The protective walls for the generators are a combination of free standing masonry or concrete walls and/or stainless steel or aluminum frame and plating.

Buildings 25, 33 and 52 Hurricane Hardening, Palm Beach County, FL, City of Boca Raton, Engineering Inspector. WGI provided an assessment to determine the hurricane resiliency for Buildings 25, 33 and 52 at the Boca Raton Water Treatment Plant. The assessment followed with the preparation of construction documents for the Hurricane Hardening of these three buildings. Building 25 is a 1-story building housing the effluent pump station. Building 33 is a 2-story electrical building that requires the use of a manlift to close the second floor shutters. Building 52 is a 1-story digester building. WGI conducted a site condition assessment at each of the three buildings and provided a report of findings and recommendations for repairs and upgrades or replacements at each building. Plans for each building were prepared identifying areas which needed remedial repairs, replacements, and upgrades. The plans included repair procedures and details for each type of work. A final quantities estimate and estimate of probable construction cost was provided. WGI assisted the City with bidding, attended pre-bid meetings, and responded to contractor RFI's during the bidding process. During the construction phase, WGI attended a pre-construction meeting, conducted shop drawing reviews, attended monthly meetings, conducted special inspections that included formwork embedments and reinforcing, concrete casting, placing precast panels and bolted/welded components, anchorage to existing building floor and roof structural members, wall to wall interconnections, metal deck attachment, window replacement, door replacements, louver replacements, window and door testing. Upon construction completion, WGI conducted a substantial and final completion inspection and provided a Certificate of Construction Completion to the owner.



Lachandai "Sasha"
Kishore, EI

REGISTRATIONS:

Engineer Intern: Florida
#1100003780, 1998

EDUCATION:

Bachelor of Science,
Mechanical Engineering -
Florida Institute of Technology,
1998

Associate of Science, Pre-
Engineering - College of the
Bahamas, 1995

CERTIFICATIONS:

ACI Concrete Field Testing
Technician Grade I

Fall Protection Authorized
Standard - Full Day

YEARS OF EXPERIENCE

TOTAL: 22

WITH WGI: 19



PROJECT MANAGER • ENVIRONMENTAL

John has diverse experience in environmental consulting, including environmental planning, permitting, wetland mitigation, wildlife surveys, contamination remediation, and environmental compliance. He has been a project manager on multi-million dollar environmental projects and worked on land development, transportation, and environmental restoration projects throughout Florida, including in marine and coastal areas, Everglades, Lake Okeechobee, Florida Keys, agricultural areas, and urban development areas. For more than five years, he served as project manager and environmental technical lead on a Southwest Florida Water Management District (SFWMD) general engineering contract.

RELEVANT EXPERIENCE

Bill Keith Preserve Shoreline Restoration, Palm Beach County, FL, City of Fort Lauderdale, Environmental Scientist. John conducted a benthic survey and provided oversight of the environmental planning and permitting of this project. The City engaged WGI to create a shoreline protection zone along the southern extent of the Bill Keith Preserve Park adjacent to the New River. The shore protection was approximately 750 lineal feet and periodically separated to allow navigation for canoes, kayaks, paddleboards, and other small vessels. The New River is a deep navigable channel with depths to 15 feet. The shoreline protection consisted of an alternating, offset, curved rip-rap groin structure in combination with a steel sheet pile toe wall, for stabilization adjacent to the navigation channel. With the addition of the groin structure, WGI recognized that sediment depositions and the groin-shoreline water quality would be affected. As part of the shoreline protection project, sediment transport, incipient wave and channel flushing analysis of the groin impacts was performed. Through the distinct yet simple geometry of the breakwater, WGI was able to mitigate the anticipated shore erosion while maintaining the crucial environmental flushing needed for continued water quality.

Ahfachkee School Environmental Assessment, Big Cypress Seminole Indian Reservation, Broward County, FL, Seminole Tribe of Florida, Project Manager. John was the project manager and technical lead for the assessment of natural and cultural resources. WGI prepared a NEPA environmental assessment (EA) for a proposed major change to the configuration of the school. The EA included analyses of traffic, land use changes, water quality, wildlife, noise, cultural resources, socioeconomics, contamination, and other factors.

Wetland Mitigation at WRA4 and SA4, Big Cypress Seminole Indian Reservation, Broward County, FL, Seminole Tribe of Florida, Project Manager. John conducted wetland monitoring for the 2016 wet season. The wetland monitoring included a science-based vegetation inventory and calculations of species richness and diversity. To comply with the permits, the project included a detailed quantitative assessment of the long-term changes to native and invasive vegetation.

SR 7 (US 441) Widening Design-Build from Fillmore Street to South of Stirling Road, Broward County, FL, FDOT District 4, Environmental Scientist. John prepared the contaminated soil management plan to address soil and groundwater contamination during construction. The project was complicated by the numerous gas stations, dry cleaners, and associated soil and groundwater plumes in the area. This \$32M design-build project increased capacity and improved safety by widening a 2.1-mile section of SR 7, converting it from a five-lane section with center turn lane to a six-lane divided urban arterial section. Other improvements included installation of a new stormwater management and collection system, sanitary sewer, two 12-inch water mains, lateral connections, and other associated features. Right-of-way acquisition for over 40 separate parcels was required for these improvements.



**John
Abbott, PG, CEP**

REGISTRATIONS:

Professional Geologist: Florida
#PG2401, 2005

EDUCATION:

Master of Science, Geology -
New Mexico Tech, 1995
Bachelor of Science, Geology -
Virginia Tech, 1992

CERTIFICATIONS:

Certified Environmental
Professional
Construction Quality
Management for Contractors
FDEP Stormwater Management
Inspector
Florida Boater Education
Certificate
Florida Boating Safety
Education ID Card
FWC Authorized Gopher
Tortoise Agent
OSHA 30-Hour Construction
Safety and Health

YEARS OF EXPERIENCE

**TOTAL: 24
WITH WGI: 5**



PROJECT MANAGER ■ ARCHITECTURE

Eric's experience includes architectural design, facility planning and programming, project feasibility analysis, master site planning, project management, contract document production and coordination, Building Information Modeling (BIM), and visualization technologies. He exhibits the attention to detail and organizational qualities necessary to make every project successful. He also understands what it takes to meet and exceed expectations during all phases of a project from the initial planning and design stages through construction contract administration. Eric has been involved in a lead role for numerous project types of all sizes and scopes including transportation, industrial, commercial, municipal, healthcare, and educational facilities.



**Eric
Luttmann, AIA**

RELEVANT EXPERIENCE

Morgan Levy Park, Miami-Dade County, FL, City of Doral. WGI was selected to provide architectural, engineering and survey services for the design of Morgan Levy Park. Survey services included preparation of a topographic survey of Morgan Levy Park. The survey captured locations of underground and overhead utilities, footprint of existing building structures, finished floor elevations, storm drainage features, sanitary sewer features, type/height of walls and fences, parking spaces, outline of landscaped areas, and tree/shrub inventory. Civil engineering services included preparation of paving/grading plans and ADA features. The project also included architectural and MEP services for design of a 350 square foot addition to add a breakroom, storage room, and office to the existing clubhouse building.

Doral City Hall Parking Garage Retrofit, Miami-Dade County, FL, City of Doral, Project Manager. WGI was selected to provide architectural, structural, mechanical and electrical services to retrofit the existing parking garage with new multi-purpose and storage spaces. Additional scope included the inclusion of electric vehicle charging stations, car detailing vacuum system, and fencing and striping for an NCAA regulation basketball court.

Delray Lakes Estates Guardhouse, Palm Beach County, FL, Delray Lakes Estates HOA, Project Architect. Eric managed the design and production of construction documents and maintained project related communications with the client. WGI was tasked to design a guardhouse at the entrance to the Delray Lakes Estates community. Eric served as the Project Architect, managed the design and production of the construction documents for the building with all other disciplines, maintained project related communications with the client, coordinated the building permit with the city, and assisted the owner's representative during construction to review submittals and respond to contractor RFI.

Sara Sims Park, Palm Beach County, FL, City of Boynton Beach. WGI provided the conceptual design for the redevelopment of Sara Sims Park in downtown Boynton Beach. Sara Sims Park was a 12-acre, blighted park in one of the City's poorest neighborhoods, named in honor of a well-known community activist from the early 1900's. The park included a number of passive and active recreational activities, including walking trails, basketball courts, and a children's playground, all of which had fallen into disrepair. The park is also part of the City's Cemetery Heritage Trail. Improvements by WGI included the development of a new conceptual site plan for the park, as well landscape and irrigation improvements. Additional improvements included an incremental fitness trail, parking lighting and signage, pavilions, and other site amenities.

FCC Solid Waste Facility - Boynton Beach, Palm Beach County, FL, FCC Environmental Services, Project Architect. WGI was hired to design a new equipment and vehicle repair shop building for the FCC Environmental Services solid waste facility in Boynton Beach. Scope included architectural, structural, mechanical, plumbing and landscape designs, coordinated with the prime consultant performing the civil design, Michael Baker International. The building design consisted of a pre-engineered metal building structure with large coiling doors on two sides of the open repair bays to pull large solid waste fleet vehicles into and out of the building for maintenance and repairs. The site plan was coordinated with the building floor plan to accommodate the large vehicles and their accessibility around the entire site. The building also housed a small office, restroom, custodial room, and electrical/mechanical room.

REGISTRATIONS:

Registered Architect: Florida
#AR97111, 2014

Registered Architect: Texas
#28612, 2020

Interior Designer: Florida
#ID6580, 2019

EDUCATION:

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

AFFILIATIONS:

American Institute of Architects
United States Green Building
Council
National Council of Architectural
Registration Boards

YEARS OF EXPERIENCE

TOTAL: 12

WITH WGI: 4



PROJECT MANAGER ▪ GEOTECHNICAL

Mark 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.

RELEVANT EXPERIENCE

Pompano Downtown Connectivity Project, Broward County, FL, City of Pompano Beach, Geotechnical Engineer. This project included two phases of geotechnical and 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, and dewatering.

Port Everglades Southport Container Yard, Broward County, FL, City of Fort Lauderdale, Geotechnical Engineer. This project included three phases of geotechnical and hydrogeological exploration (SPT borings, exfiltration tests, auger borings) and laboratory testing (LBRs, atterberg limits, organic content, sieve analysis, etc.) over two years for site development, structures/facilities, roadway, and drainage.

Honey Hill Drive, Broward County, FL, City of Miramar, Geotechnical Engineer. This project included geotechnical and hydrogeological exploration (SPT borings and exfiltration tests) for proposed roadway expansion.

American Generator Services Warehouse, Broward County, FL, City of Davie, Geotechnical Engineer. This project included geotechnical exploration (SPT borings and foundation recommendations) for proposed warehouse building.

SW 13th Street and Flamingo Road Residences, Broward County, FL, City of Davie, Geotechnical Engineer. This project included geotechnical exploration (SPT borings and foundation recommendations) for four single-family residential homes.

Village at Crystal Lakes Commercial Buildings, Broward County, FL, City of Deerfield Beach, Geotechnical Engineer. This project included geotechnical and hydrogeological exploration (SPT borings and exfiltration tests) for proposed four multi-story commercial buildings.

Parkland Bay Lake Reclamation, Broward County, FL, City of Parkland, Geotechnical Engineer. Mark was responsible for project management and 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, and settlement plates.

Carter Building, Palm Beach County, FL, City of Delray Beach, Geotechnical Engineer. This project included geotechnical exploration (SPT borings and foundation recommendations) for proposed multi-story commercial building over parking.

Plantation Oaks Elementary (School "Z"), Clay County, FL, Geotechnical Engineer. Mark perform geotechnical exploration (SPT borings and foundation recommendations) for a new elementary school site.

Hotel Indigo, Duval County, FL, Project Manager. Mark was project manager of construction for new hotel including monitoring of ground modifications (vibro-replacement/stone columns) foundations.

Crosstown Parkway Extension, Saint Lucie County, FL, Project Manager. Mark was project manager for construction materials testing including of onsite monitoring of pile driving at I-95 overpass.



**Mark
Mesiano, PE**

REGISTRATION:
Professional Engineer,
Florida #48202

EDUCATION:
Bachelor of Science, Civil
Engineering - University of
South Florida, 1990

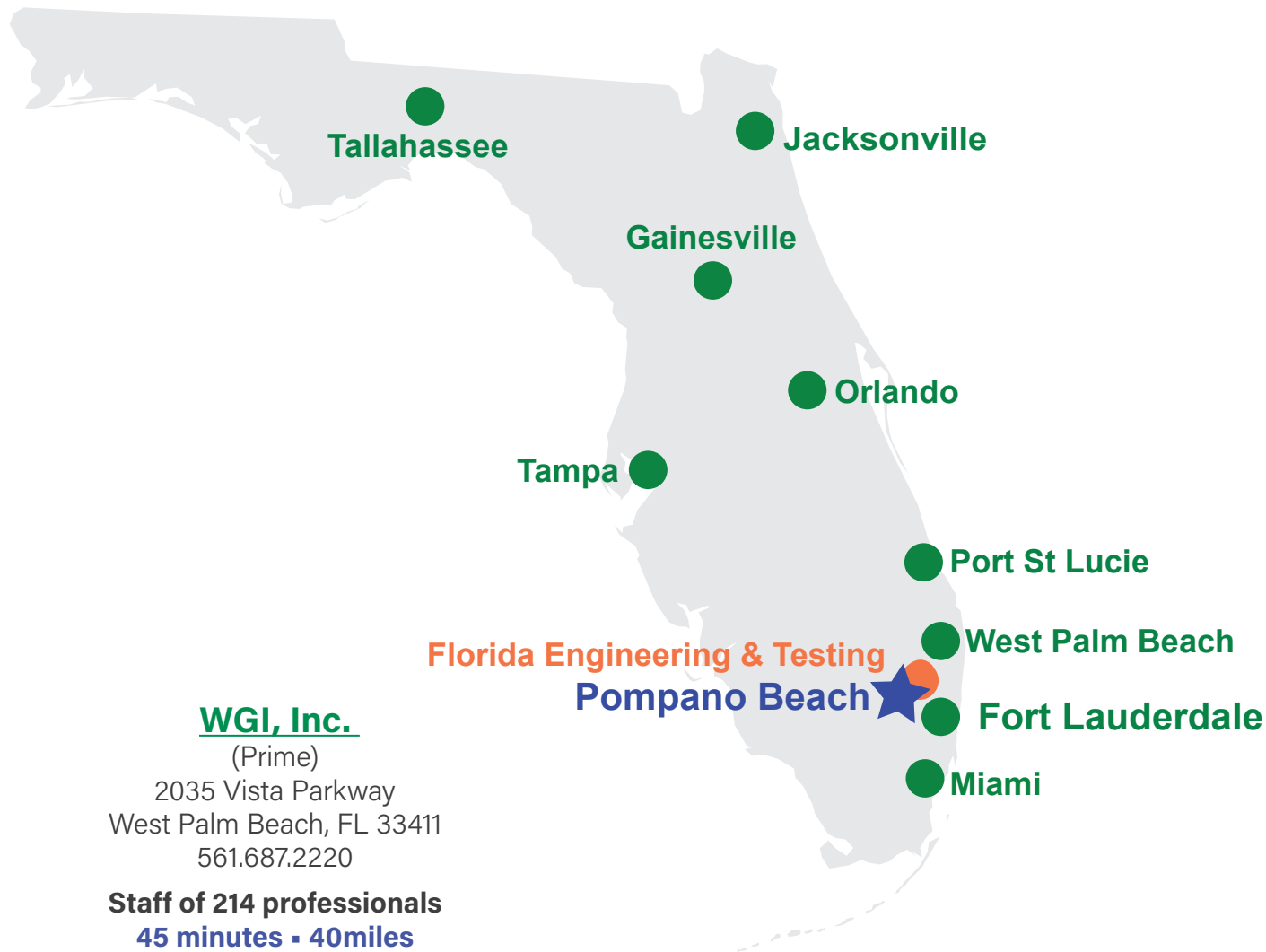
Certifications:
Florida DOT Pre-stressed
Concrete Inspector
Radiation Safety Officer and
Instructor, PSI, Inc.
Structural Masonry
Nuclear Gauge Training and
Safety, Earthworks
Instrumentation, Inc.

**YEARS OF EXPERIENCE
TOTAL: 25**



OFFICE
LOCATIONS

OFFICE LOCATIONS



WGI, Inc.
 (Prime)
 2035 Vista Parkway
 West Palm Beach, FL 33411
 561.687.2220

Staff of 214 professionals
45 minutes - 40 miles
to the City of Pompano Beach

WGI, Inc.
 (Prime)
 3230 W. Commercial Boulevard
 Suite 300
 Fort Lauderdale, FL 33309
 954.660.1660

Staff of 19 professionals
16 minutes - 6.6 miles
to the City of Pompano Beach

Florida Engineering & Testing, Inc.
 (Geotechnical)
 250 S.W. 13th Avenue
 Pompano Beach, FL 33069
 954.781.6889

Staff of 13 professionals



LOCAL BUSINESS FORMS

LOCAL BUSINESS EXHIBIT "A"
 CITY OF POMPAÑO BEACH, FLORIDA
 LOCAL BUSINESS PARTICIPATION FORM

Solicitation Number & Title: **E-26-20 CONTINUING CONTRACT FOR STRUCTURAL ENGINEERING SERVICES** Prime Contractor's Name: **WGI, Inc.**

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
WGI, Inc. 2035 Vista Parkway West Palm Beach , FL 33411	Jeffrey Bergmann, PE 561.839.1721	Structural Engineering, Architectural, Environmental, Survey/SUE, and CEI Services	TBD
Florida Engineering & Testing, Inc. 250 SW 13th Avenue Pompano Beach, FL 33060	Christina Chang 954.781.6889	Geotechnical Services	TBD

LOCAL BUSINESS EXHIBIT "A"

LOCAL BUSINESS EXHIBIT "B"
LOCAL BUSINESS
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number E-26-20

TO: WGI
(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:

Structural Engineering Services


at the following price: _____

8/17/20
(Date)

Florida Engineering & Testing, Inc
(Print Name of Local Business Contractor)

250 SW 13th Avenue
(Street Address)

Pompano Beach, FL 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"



LITIGATION

LITIGATION

CASE	SUMMARY	DATE FILED	STATUS
ACTIVE CASES			
Community Asphalt Corp. v. WGI et al., Case No. 2018-CA-029816	Disputed claims for alleged breach of contract and professional negligence in connection with the design and construction of the Interstate 75 Express Lanes (Segments A+B) project.	04/2018	In Discovery
RESOLVED CASES			
Hernandez v. Dragados USA, Inc. at al., Case No. CACE18002189	Traffic accident within the limits of the Interstate 75 Express Lanes (Segment E) project	01/2018	The case is ongoing but WGI was dismissed (2018)
WGI v. Ranger Construction Industries Case No.: 2018-CA-003131	WGI filed suit for non-payment of professional fees due	03/2018	Case dismissed with prejudice and no assignment of fault (2020)



CITY FORMS

COMPLETE THE PROPOSER INFORMATION 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 RFP IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

RFP E-26-20, CONTINUING CONTRACT FOR STRUCTURAL ENGINEERING SERVICES
 (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) Jeffrey Bergmann, PE Title Contract Manager

Company (Legal Registered) WGI, Inc.

Federal Tax Identification Number 65-0271367

Address 2035 Vista Parkway

City/State/Zip West Palm Beach, Florida 33411

Telephone No. 561.687.2220 Fax No. _____

Email Address Jeffrey.Bergmann@wginc.com

BIDDERS ARE TO COMPLETE FORM AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM

EXHIBIT E

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI # E-26-20

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?
Florida Engineering & Testing, Inc.	Yes

FLORIDA ENGINEERING & TESTING W/MBE CERTIFICATION

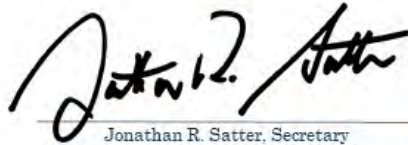
State of Florida

Woman & Minority Business Certification

Florida Engineering & Testing, Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

10/24/2019 to 10/24/2021



Jonathan R. Satter, Secretary
Florida Department of Management Services



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

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

X 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

X My firm does not qualify as a Tier 2 Vendor.

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

August 16, 2020

(Date)

WGI, Inc.

(Name of Firm)

BY: _____



(Name)

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.

8/17/20
(Date)

Florida Engineering & Testing, Inc
(Name of Firm)

BY:  SVP
(Name)
Christine Chang

FLORIDA ENGINEERING & TESTING BUSINESS TAX RECEIPT



**CITY OF POMPANO BEACH
BUSINESS TAX RECEIPT
FISCAL YEAR: 2019 - 2020**

Business Tax Receipt Valid from: October 1, 2019 through September 30, 2020

4422214
MESIANO, MARK
250 SW 13 AVENUE

9/18/2019

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

RECEIPT NO: 20-00041486
CLASSIFICATION: 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 30TH OF EACH YEAR

FLORIDA ENGINEERING & TESTING BUSINESS TAX RECEIPT

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA: FLORIDA ENGINEERING & TESTING INC **Receipt #:** 315-622
Business Name: **Business Type:** ENGINEER (ENGINEER)

Owner Name: YU CHIH CHANG **Business Opened:** 07/01/2002
Business Location: 250 SW 13 AVE **State/County/Cert/Reg:** 6923
 POMPANO BEACH **Exemption Code:**
Business Phone: 954-781-6889

Rooms Seats Employees Machines Professionals
 1

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	33.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

**THIS BECOMES A TAX RECEIPT
 WHEN VALIDATED**

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

Mailing Address:
 YU CHIH CHANG
 250 SW 13 AVE
 POMPANO BEACH, FL 33069

Receipt # 01A-19-00008673
Paid 07/17/2020 33.00

2020 - 2021



APPENDIX

WGI PROFESSIONAL LICENSES

Florida engineering companies used to have a professional license, a CA number. As of October 2019, Florida companies are required to register, but no engineering license is issued; the CA number has been replaced by a Registry License number. **WGI's Engineering Registry number is 33574** as shown on the Licensee Details below. Other WGI professional licenses are shown on the following pages.

DBPR - WGI, INC., Registry

P

3:23:10 PM 2/3/2020

Licensee Details

Licensee Information

Name: **WGI, INC. (Primary Name)**
 Main Address: **2035 VISTA PARKWAY
 WEST PALM BEACH Florida 33411**
 County: **PALM BEACH**
 License Mailing:
 LicenseLocation:

License Information

License Type: **Registry**
 Rank: **Registry**
 License Number: **33574**
 Status: **Current**
 Licensure Date: **10/24/2019**
 Expires:

Special Qualifications

Qualification Effective

Alternate Names

[View Related License Information](#)

[View License Complaint](#)

2601 Blair Stone Road, Tallahassee FL 32399 :: Email: **Customer Contact Center** :: Customer Contact Center: 850.487.1395

The State of Florida is an AA/EEO employer. [Copyright 2007-2010 State of Florida. Privacy Statement](#)

WGI PROFESSIONAL LICENSES

State of Florida Department of State

I certify from the records of this office that WGI, INC. is a corporation organized under the laws of the State of Florida, filed on July 12, 1991.

The document number of this corporation is S66593.

I further certify that said corporation has paid all fees due this office through December 31, 2019, that its most recent annual report/uniform business report was filed on December 17, 2019, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Seventeenth day of December,
2019*




Ronald R. Lee
Secretary of State

Tracking Number: 4012041678CC

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


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

WGI PROFESSIONAL LICENSES



Ron DeSantis, Governor

Halsey Beshears, Secretary




STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

THE LANDSCAPE ARCHITECT BUSINESS HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES


WGI, INC.
 2035 VISTA PARKWAY
 WEST PALM BEACH FL 33411

LICENSE NUMBER: LC26000521
EXPIRATION DATE: NOVEMBER 30, 2021

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
 This is your license. It is unlawful for anyone other than the licensee to use this document.



Florida Department of Agriculture and Consumer Services
 Division of Consumer Services
 Board of Professional Surveyors and Mappers
 2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LB7055**
 Expiration Date February 28, 2021

Professional Surveyor and Mapper Business License
 Under the provisions of Chapter 472, Florida Statutes

WGI, INC
 2035 VISTA PARKWAY STE 100
 WEST PALM BEACH, FL 33411

Nicole Fried

NICOLE "NIKKI" FRIED
 COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

WGI PROFESSIONAL LICENSES



Ron DeSantis, Governor

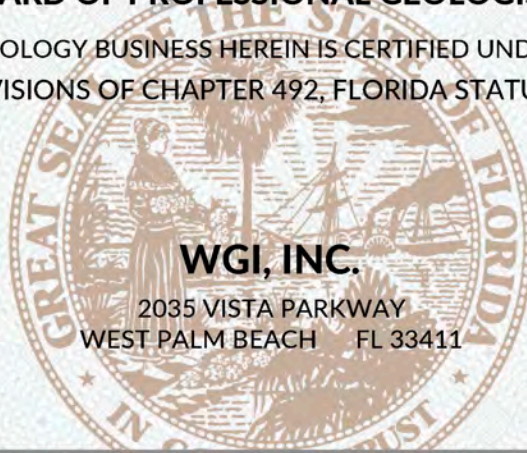
Halsey Beshears, Secretary



STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL GEOLOGISTS

THE GEOLOGY BUSINESS HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 492, FLORIDA STATUTES



WGI, INC.

2035 VISTA PARKWAY
WEST PALM BEACH FL 33411

LICENSE NUMBER: GB758

EXPIRATION DATE: JULY 31, 2020

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

FLORIDA ENGINEERING & TESTING PROFESSIONAL LICENSES



Ron DeSantis, Governor

Halsey Beshears, Secretary



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

FLORIDA ENGINEERING & TESTING, INC.

250 SW 13TH AVENUE
POMPANO BEACH FL 33069

LICENSE NUMBER: CA6923

EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com



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Jeffrey Bergmann PE
jeffrey.bergmann@wginc.com

2035 Vista Parkway
West Palm Beach, FL 33411

d: 561.839.1721
o: 561.687.2220
WGInc.com

Exhibit B Fee Schedule

WGI, INC. FEE SCHEDULE EFFECTIVE DATE – JUNE 27, 2020

Hourly Rate	
ENGINEERING SERVICES	
Executive Engineer	\$275.00
Chief Engineer	\$250.00
Senior Project Manager	\$210.00
Principal Engineer	\$230.00
Project Manager	\$185.00
Senior Engineer	\$170.00
Senior Project Engineer	\$160.00
Project Engineer	\$150.00
Senior Designer	\$145.00
Engineer	\$140.00
Senior Engineer Intern	\$130.00
Engineer Intern	\$100.00
Chief Designer	\$165.00
Designer	\$110.00
Field Engineer	\$165.00
Field Inspector	\$110.00
SURVEYING SERVICES	
Principal Surveyor	\$250.00
Senior Project Manager	\$200.00
Project Manager	\$185.00
Senior Professional Surveyor	\$170.00
Photogrammetrist	\$150.00
Professional Surveyor	\$140.00
Survey Intern	\$100.00
Senior Survey Technician	\$140.00
Survey Technician	\$100.00
SUE Technician	\$100.00
2 Person Field Survey Crew	\$140.00
3 Person Field Survey Crew	\$180.00
4 Person Field Survey Crew	\$210.00
5 Person Field Survey Crew	\$265.00
2 Person SUE Crew	\$150.00
3 Person SUE Crew	\$200.00
4 Person SUE Crew	\$250.00
5 Person SUE Crew	\$300.00
Chief Utility Coordinator	\$210.00
Senior Utility Coordinator	\$150.00
Utility Coordinator	\$130.00
Laser Scan Crew	\$250.00
Hydrographic/Bathymetric Crew	\$325.00

Hourly Rate	
PLANNING SERVICES	
Executive Planner	\$275.00
Principal Planner	\$225.00
Senior Project Manager	\$180.00
Project Manager	\$150.00
Senior Planner	\$130.00
Planner	\$100.00
Entry Level Planner	\$85.00
LANDSCAPE ARCHITECTURE SERVICES	
Principal Landscape Architect	\$200.00
Senior Project Manager	\$180.00
Project Manager	\$150.00
Senior Designer	\$130.00
Designer	\$100.00
Entry Level Designer	\$85.00
ENVIRONMENTAL SERVICES	
Executive Environmental Scientist	\$225.00
Principal Environmental Scientist	\$200.00
Senior Environmental Scientist	\$180.00
Project Manager	\$135.00
Environmental Scientist	\$120.00
Environmental Technician	\$90.00
ARCHITECTURAL SERVICES	
Project Manager	\$185.00
Senior Architect	\$260.00
Project Architect	\$160.00
Architect	\$145.00
Architect Intern	\$100.00
OTHER PROFESSIONAL SERVICES	
Expert Witness	\$350.00
GIS Technician	\$150.00
Administrative Assistant	\$75.00
REIMBURSABLE EXPENSES	
Copies, Black & White (each)	\$ 0.30
Copies, Color (each)	\$ 1.00
Plots, Black & White (each)	\$ 2.00
Plots, Color (each)	\$15.00
Mylars (each)	\$70.00
Foam Core Presentation Boards (each)	\$ 7.50
All Third Party Expenses	Cost Plus 15%

Expenses: In addition to labor, WGI, INC. bills for the following project related costs at a contractually agreed markup: printing; conference calling charges; document review, permit or recording fees paid on behalf of CLIENT; shipping; bid advertisement; specialty materials, software or equipment rental; sub-consultant fees; costs of project related employee travel including meals, lodging, airfare and miscellaneous travel costs such as tolls, parking, etc; mileage for all company-owned vehicles (trucks) will be charged at \$0.85/mile; employee owned vehicles used for transportation related to the Project will be charged at the prevailing federal mileage rate allowed by the IRS at the time the travel occurs. WGI also bills for the cost of internal reproduction and the use of specialized equipment related to subsurface utility vacuum excavation, mobile scanning (LIDAR), and hydrographic surveying.

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.

DESCRIPTIONS (Continued from Page 1)

law.